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Vaughan's Gardening Illustrated

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1930

ZINNIA
Liliput (Pompon)
(See Page 1)

CHICAGO
10-12 W. RANDOLPH ST.

NEW YORK
47-49 BARCLAY ST.

Vegetable Seed Trials
D. N. Shoemaker JAN 22 1930

MARLIACEA CHROMATELLA
Each. $2.00
PAUL HARIOT
Each. $4.00
MARLIACEA ALBIDA
Each. $1.50
No. 2
COVER
COLLECTION
Hardy Water Lilies
One each of the three hardy water lilies illustrated above, Paul Hariot, Marliacea Albida and Marliacea Chromatella, and three water hyacinths, (6 plants, value $8.00) will be sent postpaid 300 miles for $5.00
No. 2A
COVER
COLLECTION
Tender Water Lilies
One each of the three tender water lilies illustrated below, August Koch and Mrs. Geo. H. Pring, (day-blooming) and Frank Trelease, (night-blooming) value $7.00, will be sent postpaid 300 miles for $5.00
AUGUST KOCH
Each $2.50
MRS. GEO. H. PRING
Each $3.00
FRANK TRELEASE
Each. $1.50

Gruss an Teplitz Each, $1.00

Mrs. Lovell Swisher Each, $1.50

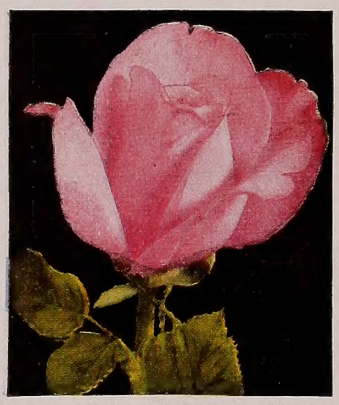
White Killarney Each, $1.00

General Mac Arthur Each, $1.00

Ophelia Each, $1.00

Talisman Each, $2.50

Radiance Each, $1.00



Columbia Each, $1.00

Mrs. E. Pembroke Thom Ea. $1.50

Mrs. A. R. Barraclough Ea. $2.00

A Rainbow Garden of Roses for - - - $12.

The twelve hybrid roses illustrated on this page include the best new and standard varieties of hybrid tea, or everblooming roses for the home garden. The prices below are for plants growing in pots, in full leaf. Plant them in your garden a few inches deeper than they grow in the pot, and they should bloom within a month and continue until freezing weather arrives.

All prices are f.o.b. our greenhouses, Western Springs, Ill. Shipments by express at buyer's expense. Single plants can be sent by parcel post; shipping wt., 5 lbs.

Plants are ready May 1, and to be shipped to states north of the Ohio river May 15 to May 30.

Cover Collection No. 3—12 Roses for $12.00

One each of the 12 varieties illustrated on this page (value $15.50) for **$12.00.**

Cover Collection No. 3A—7 Roses for $7.50

One each of the following seven varieties illustrated on this page: Gruss an Teplitz, Gen. MacArthur, Talisman, Mrs. Erskine Pembroke Thom, Premier, Columbia, and Ophelia, 7 plants (value $9.00) for **$7.50.**

Cover Collection No. 3B—4 Roses for $4.25

One each of the following four varieties illustrated on this page: Radiance, Souvenir de Claudius Pernet, White Killarney, and Mrs. A. R. Barraclough, four plants (value $5.00) for **$4.25.**

For a complete description of the varieties illustrated on this page and listed below, see Index for Rose page. Prices are for potted plants, ready May 1, and to be shipped to states north of the Ohio river from May 15 to May 30.

Souv. de Claudius Pernet Ea. $1.00

Premier Each, $1.00

	Each
GRUSS AN TEPLITZ. Brilliant crimson, velvety appearance, fragrant	**$1.00**
MRS. LOVELL SWISHER. Delicate pink, shaded flesh and cream	**1.50**
WHITE KILLARNEY. Snow white, fragrant, beautiful buds and bloom	**1.00**
GENERAL MAC ARTHUR. Crimson scarlet, fragrant. A favorite	**1.00**
OPHELIA. Creamy-white, tinged pink and yellow, fragrant	**1.00**
TALISMAN. Deep red gold, shaded apricot and yellow, fragrant	**2.50**
RADIANCE. Cerise red, fragrant, large globular blooms	**1.00**

	Each
COLUMBIA. Bright pink, fragrant, big buds and flowers	**$1.00**
MRS. ERSKINE PEMBROKE THOM. Deep yellow, fragrant, blooms open wide	**1.50**
SOUVENIR DE CLAUDIUS PERNET. Deep lemon-yellow, pointed buds	**1.00**
MRS. A. R. BARRACLOUGH. Bright carmine pink, fragrant, large buds and blooms	**2.00**
PREMIER. Rose-pink, fragrant, large blooms	**1.00**

FOR a permanent lawn you must sow perennial grasses, which are relatively slow to germinate, but produce a lasting turf. Cheap mixtures cannot contain the seeds of such grasses, but are largely composed of timothy, a coarse annual hay. Our standard blends are composed of recleaned, tested seeds, and cover twice the area, for weight, that cheap seeds cover. Sow 1 lb. for 300 square feet for new lawns, half that for repairs. "How to Make a Lawn," enclosed with each carton, answers every question about lawn making.

Vaughan's "Chicago Parks" Lawn Seed—The Standard Lawn Mixture

This mixture is composed of heavy, recleaned seed, blended according to the formula proved in our 54 years' experience to be the best for permanent lawns under American conditions and recommended by the Department of Agriculture. Recleaned Kentucky blue grass and red top form the bulk of this mixture, to which is added white clover in the correct proportion. Our mixture produces a lawn that will endure, Price. ½ lb., 25c; 1 lb., 50c; 2 lbs., $1.00; 3 lbs., $1.45; 5 lbs., $2.40; 10 lbs., $4.75; 15 lbs., $7.00; 20 lbs., $9.25; 25 lbs., $11.50; 50 lbs., $22.50; 100 lbs., $40.00.

Vaughan's "Columbian"

For Shady Lawns or Sandy Soil

On sandy soil or in light shade, conditions are met with when making a lawn which require the use of a special grass seed mixture. Vaughan's "Columbian" is the correct mixture for such locations.

½ lb., 25c; 1 lb., 50c; 2 lbs., $1.00; 3 lbs., $1.45; 5 lbs., $2.40; 10 lbs., $4.75; 15 lbs., $7.00; 20 lbs., $9.25; 25 lbs., $11.50; 50 lbs., $22.50; 100 lbs., $40.00.

Vaughan's Dense Shade Mixture

Composed of grasses most suited for growing in heavily shaded situations.

Price, lb., 75c; 2 lbs., $1.50; 3 lbs., $2.20; 5 lbs., $3.65; 10 lbs., $7.20; 15 lbs., $10.65; 20 lbs., $14.00; 25 lbs., $17.25; 50 lbs., $33.00; 100 lbs., $65.00.

Vaughan's "Quick Show" Grass Mixture

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, lb., 40c; 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.90; 10 lbs., $3.75; 25 lbs., $9.00; 100 lbs., $32.50.

Vaughan's Homegrounds Mixture

Price, ½ lb., 15c; lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.15; 10 lbs., $2.20; 25 lbs., $5.25. 100 lbs., $20.00.

White Clover

Extra fancy seed. Price, ¼ lb., 20c; ½ lb., 35c; 1 lb., 65c; 2 lbs., $1.30; 3 lbs., $1.90; 5 lbs., $3.10; 10 lbs., $6.00, prepaid to 300 miles.

Red Top Grass (Agrostis alba)

Extra Fancy recleaned solid seed (32 lbs. per bu.): 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.05; 5 lbs., $1.55; 10 lbs., $2.90; 50 lbs., $13.25; 100 lbs., $25,00, prepaid to 300 miles.

Vaughan's Special Grass Mixture "Private Estate"

This contains a large proportion of the more expensive grasses, like the Bent Grasses, Chewing's Fescue, etc., also extra heavy Kentucky Blue Grass.

Price, lb., 75c; 2 lbs., $1.50; 3 lbs., $2.20; 5 lbs., $3.65; 10 lbs., $7.20; 15 lbs., $10.65; 20 lbs., $14.00; 25 lbs., $17.25; 50 lbs., $33.00; 100 lbs., $65.00.

Fancy Kentucky Blue Grass (Poa pratensis)

EXTRA FANCY SUN CURED SEED—Specially recleaned and of high germination: 23 lbs. per bushel. 1 lb., 55c; 2 lbs., $1.10; 3 lbs., $1.45; 5 lbs., $2.05; 10 lbs., $3.90; 50 lbs., $18.00; 100 lbs., $34.50, prepaid to 300 miles.

Fancy Seed, actual weight, 21 lbs. per bu. (The standard grade of recleaned blue grass.) 1 lb., 45c; 2 lbs., 90c; 3 lbs., $1.25; 5 lbs., $1.80; 10 lbs., $3.40; 50 lbs., $15.75; 100 lbs., $30.00, prepaid to 300 miles.

Seed of the Bent Grasses

EUROPEAN MIXED BENT (so-called "Creeping Bent") is a mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Rhode Island Bent. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

1 lb., $1.25; 2 lbs., $2.50; 3 lbs., $3.70; 5 lbs., $6.00; 10 lbs., $11.50; 15 lbs., $16.85; 25 lbs., $27.50.

RHODE ISLAND BENT GRASS has been neglected. It makes a fine close turf of excellent color and adapts itself readily to any soils, particularly acid soils. Excellent for lawns.

1 lb., $1.65; 5 lbs., $8.00; 10 lbs., $15.50; 15 lbs., $22.85; 25 lbs., $37.50.

Cocoos Bent

We can now offer genuine Cocoos bent seed. This is a true unmixed creeping bent grass seed. One top-dressing a year will keep it in good condition.

1 lb., $2.75; 2 lbs., $5.50; 3 lbs., $8.10; 5 lbs., $13.25; 10 lbs., $25.00; 25 lbs. $60.00; 50 lbs., $115.00; 100 lbs., $225.00.

Write for special prices on large quantities.

On orders under $2.00 or beyond prepaid zone, add 5c per lb. for postage. Lawn Seed orders of $2.00 or more prepaid to within 300 miles of Chicago or New York. On Parcel Post C. O. D. orders there is an extra charge for C. O. D. delivery.

For special purpose grass mixtures, bent grasses and other fancy grasses, see Index.

ORDER for SEEDS, BULBS and SUPPLIES TO

(Use Special Order Sheet attached for PLANTS, TREES, SHRUBS, Etc.)

VAUGHAN'S SEED STORE S 30

47-49 Barclay Street, NEW YORK **601 West Jackson Blvd., CHICAGO**

NAME..... Date.....19.....
Write very plainly

Post Office..... State.....

Street, P. O. Box
or Rural Delivery.....

Express or Freight Office {If different from P. O.} ..... Forward Goods by.....
(Parcel Post, Express, Freight or Boat)

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

AMOUNT ENCLOSED

Money Order $.....

Draft or Check $.....

Postage Stamps$.....

Cash - - - $.....

See Page 112 for our SPECIAL PREPAID OFFER, also Table of PARCEL POST RATES to different zones.

Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CHICAGO.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

We do not warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale at the moderate prices we charge. VAUGHAN'S SEED STORE (Incorporated).

N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

QUANTITY Do not Abbreviate	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, Please order by it	WEIGHT For Parcel Post Only	PRICE Dols	Cts.
	Substitutes You may substitute the next best of any variety you cannot supply [—] Please do not substitute without first notifying me..... [—] (Please mark a cross (X) in one of the above spaces.)			
	(Order Flower Seeds by numbers only) Carried Forward,	lbs.	$	

If by mail, and PREPAID OFFER on page 120 does not apply, add postage for your Zone. (Over)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE Dols.	Cts.
	Brought Forward			

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots; Books, Tools, Etc., within the U. S. and Possessions.		First Pound or Fraction	Each Additional Pound or Fraction
First Zone	Chicago or New York or 50 miles thereof	7c	1c
Second Zone	within 50 to 150 miles of either	7c	1c
Third Zone	within 150 to 300 miles	8c	2c
Fourth Zone	within 300 to 600 miles	8c	4c
Fifth Zone	within 600 to 1000 miles	9c	6c
Sixth Zone	within 1000 to 1400 miles	10c	8c
Seventh Zone	within 1400 to 1800 miles	12c	10c
Eighth Zone	all over 1800 miles	13c	12c

Total Weight,

Amount for Postage

$

Grand Total,

Filled by..... Checked by..... Packed by.....

Shipped by..... Style of Package.....

Date..... Book..... Weight.....

New Flowers for Gardens of 1930

WEBSTER defines the word Garden as: "A piece of ground appropriated to the cultivation of herbs, or plants, fruits and flowers or vegetables." To some a piece of ground means merely a pot of earth, to others a window box or two and to others more fortunate it comprises a city lot or it may be several acres in the country. Gardening is itself a profession for which one is "neither too high or too low." One of the thrills of gardening is watching new varieties develop and unfold. The varieties with which we are familiar are old friends which we welcome each season, but novelties are intriguing in their unknown quality.

Our list of these contains many very worth while sorts which are either entirely new or improvements on existing varieties and we recommend them for trial. The descriptions are the originators when available.

AGERATUM □

196 **Mexicanum Nanum Compactum. Blue Ball.** New deep, dark blue. The plant is dwarf and symmetrical in shape and when in full bloom the foliage is literally covered with small flowers giving the appearance of a closely formed blue ball. Pkt., 15c.

197 **Mexicanum. Venus.** Forms a dense bush about one foot high (varies) which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red; a plant in full bloom is very charming. Pkt., 25c.

187 **Mexicanum Purple Perfection.** A European introduction. Exceedingly large flower in an unusual dark blue color almost a red shade. Pkt., 15c.

ALONSOA □

237 **Miniata Compacta Coccinea. 1 ft. Attractive little plants covered with bright scarlet flowers. Useful for bedding. Pkt., 15c.**

ANCHUSA □

311 **Angustifolia Capensis Blue Bird.** The plants are of compact and even habit. The flowers are a vivid indigo blue, a complete contrast to other varieties in this family. Pkt., 25c.

ANTIRRHINUM □

The following are the new varieties, especially fine for forcing under glass:

362 **Afterglow.** A beautiful bronze. Pkt., $2.00.

375 **Cheviot Maid.** The earliest pink winter-blooming "snap". Pkt., $1.00.

374 **Ceylon Court Yellow.** Robust growth; foliage strong, healthy and vigorous. Beautiful canary-yellow. Spikes 10 to 14 inches; flowers closely set; one of the earliest and most productive producers, strong, wiry stems. Pkt., $1.50.

387 **Geneva Pink.** A delightful glistening rose-pink borne on long dense spikes and supported on long stiff stems, well furnished with rather dark green foliage. Pkt., $1.00.

394 **Helen.** Lovely salmon in color. Pkt., $1.00.

395 **Jennie Schneider.** Beautiful pink, same shade as Columbia rose. Pkt., $1.00.

394A **Judd's New Early Columbia.** A glowing pink. Pkt., $1.00.

394B **Judd's New Early Premier.** Rich deep rose pink. Pkt., $1.00.

395A **Laura.** A glossy deep rose. Pkt., $1.00.

400 **Orlando.** Bronze. An odd, but popular shade. Pkt., $1.00.

402 **Penn-Orange.** Striking tangerine orange, dark green foliage. Pkt., $1.00.

406 **Pink Perfection.** A new perfection type, in the large-flowering, medium high group. In habit, this new type may be likened to Perfection Stocks, the plant produces innumerable long, perfect spikes, which are perfectly balanced. The flowers are a beautiful shade of pink, described as Hermosa Pink, slightly suffused with salmon. Pkt., 50c.

401 **Philadelphia Pink.** One of the best pure pinks and most popular for growing inside for winter blooming. Pkt., 25c.

404A **Roman Gold.** A deep golden yellow with the lip a lighter yellow suffused with pink. The tips having a beautiful pink-copper hue. Pkt., $1.00

407A **Sunburst.** Same shade as rose of same name. Intense orange copper and golden yellow. Pkt., $1.00.

408 **White Rock.** A good forcing white of medium height. Pkt., $1.00.

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ANTIRRHINUM—Continued

"Majestic" Half Dwarf Sorts

A new type of Snaps, with flowers of the Maximum sorts and in height of the Semi-tall sorts.

389 **Majestic Orange King.** Coloring is an exquisite blend of shades, rich terra cotta above, the lip golden yellow merging to pure deep orange at the base. Pkt., 35c.

388 **Majestic Sunset.** Color delightful combination of bright terra cotta above, shading gradually downward into a rosy salmon. Pkt., 35c.

388A **Majestic Snowstorm.** Pure white. Pkt., 35c.

388B **Majestic Twilight.** Delicate apricot with yellow and salmon shading. Pkt., 35c.

388C **Majestic Victory.** Rich terra cotta orange shading to yellow, remarkable new variety. Pkt., 35c.

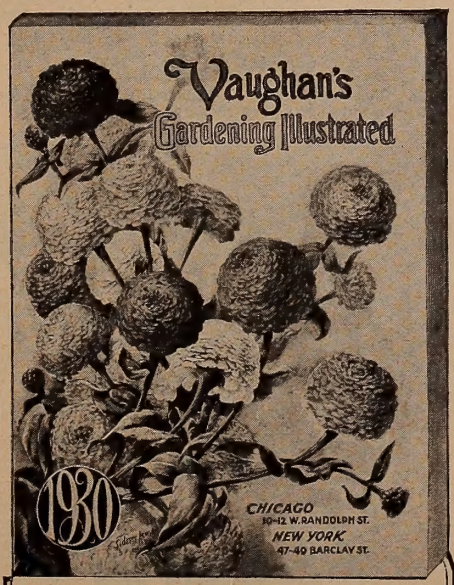
426 **Vaughan's Mixture of Greenhouse Varieties.** A mixture of all the forcing varieties we list. Pkt., $1.00.

ARCTOTIS □

449 **Breviscapa Aurantiaca.** The daisy-like flowers have petals of a most pleasing dark orange color which turns lighter toward the center, thus producing a wonderful contrast to the purplish disc. The under sides are of a brownish tint. The stems are just long enough to make attractive cutting material and the plant is suitable for flower beds and groups. Pkt., 25c.

CALCEOLARIA ÷

1183 **Lignosa Bunch of Gold.** A compact plant growing 12 inches high, producing several bunches of beautiful golden-yellow flowers, lasting all summer. Pkt., $1.00.



FRONT COVER OFFER

6070 **Zinnia Liliput.** One packet each of the following 8 varieties for 65c.

Canary Yellow	**Purple**
Delicate Flesh	**Salmon Rose**
Golden	**Scarlet**
Orange	**White**

ARCTOTIS Breviscapa Aurantiaca

ASTER □

555 **Aurora Salmon Rose.** Plant of pyramidal growth 3½ to 4 inches across. Flowers beautiful salmon rose color. Pkt., 25c.

603 **Everlasting Flesh.** This curious variety appeared lately in the fields of an Aster specialist. It resembles a large Helichrysum; when cut and dried it retains its color and shape as an everlasting flower. Pkt., 15c.

604 **Everlasting Rose.** Same as above only deeper in color. Pkt., 15c.

786 **Ostrich Feather Malmaison Pink.** Plants grow about 2½ ft. high, very robust in growth, having full fluffy flowers on long stems of a pleasing shade of pink. Pkt., 15c.

934 **Swan's Down.** An enormous white peony flowered Aster. Flowers beautifully incurved about 4½ to 5½ inches in diameter with straight, rigid stems non-lateral branching. Pkt., 35c.

935 **Maiden's Blush.** A sister of the above only the flower is a lovely shade of soft appleblossom pink. Pkt., 35c.

Dwarf Sunshine. The tall variety is well and favorably known as we have listed them for several years in the colored section of our catalog. These are the same attractive shape of flower, but the plants are dwarf.

892 **Flesh**	891 **Lilac**
893 **Dark Rose**	894 **Light Blue**

Each of the above, Pkt., 25c

CALENDULA □

1191 **The Ball Orange.** It has fine stems, immense double flower of a brilliant glisteny orange. A great favorite on the Chicago Cut Flower Market. Pkt., 25c.

1194 **The Ball Gold** has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange. Pkt., 25c.

1199 **Radio.** An English introduction. The flowers are medium size, good depth and clear orange in color. The petals are beautifully quilled which has an extraordinary effect on the appearance of the flower. Pkt., 25c.

1200 **Sensation.** Long stems very double brilliant, orange flowers with a crimson or scarlet sheen. The blooms are flat in shape. Pkt., 25c.

CANDYTUFT DWARF □

Umbellata Nana. 10 in. Dainty subjects for carpeting beds of taller plants like Lilies and Gladiolus. For a continuous supply of flowers they should be sown at intervals during the season with a very late sowing just before the ground freezes up for blooming early the following spring.

1291 **White**	1294 **Crimson**
1292 **Flesh**	1295 **Lilac**
1293 **Rose**	

Each of above, Pkt., 15c.

1290 **Dwarf Hybrids Mixed.** Plants of fine, compact growth, covered with large flowers ranging in color from rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. Pkt., 10c.

New Flowers for Gardens of 1930

CALENDULA Sensation

CARNATION □

Double Chabaud Giant, Enfant de Nice Carnations are the result of a cross between two French varieties. They are of compact growth with extremely stiff stems bearing flowers which are up to 2¼ to 2¾ inches in diameter without disbuddiug the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers

1325 **White** 1327 **Rose**
1326 **Salmon** 1328 **Red**
Each of above, Pkt., 35c.

1329 **Mixed** from varieties noted above. Pkt., 50c.

CINERARIA HYBRIDA +

Polyantha Stellata. These varieties grow taller than the large flowering sorts, being two feet high and the flowers are much smaller but produced in great profusion. The cut sprays make fine decoration for vases.

1724 **Salmon Pink.** Pkt., 50c.
1724A **Blue Tints.** Pkt., 50c.

COLEUS □

1863 **Large-Leaved Dwarf Mixture.** The Coleus are grown for brilliancy of their foliage rather than for beauty of flowers which are insignificant. This variety is dwarf in growth which makes it a good pot plant. The coloring is very attractive with many shades and tints of yellow, copper, red, white and green. Pkt., 35c.

COSMOS □

1956 **Early Express Pink.** An extra early Cosmos flowering in from 45 to 50 days from the time seed is planted. Plant grows about 2½ to 3 ft. high and is covered with medium sized bright pink flowers. Pkt., 25c.

1970 **Hollywood Star.** This odd variety appeared in the Crested Cosmos a few years ago. It has a center from which issue closed quilled-like petals the tips of which are cut and slightly curled. It is a mixture of red, white and pink. Pkt., 25c.

DAHLIA □

2056 **Coltness Hybrids.** 1 to 1½ ft. A splendid new class, habit neat and compact, blooms from July until frost. The flowers are single, have either flat or slightly fluted petals, vary in size, being nearly all three inches in diameter. The colors are most varied embracing shades of red, yellow, white and purple with many bizarre combinations. Pkt., 35c.

2057 **Coltness Gem.** This has been selected from the Coltness Hybrids and comes quite true. The color is a bright scarlet and the single flowers are produced in abundance. Fine for bedding or growing singly in the smallest gardens. Pkt., 50c.

DAHLIA—Continued.

We inspected the exhibition garden from which this seed was harvested last summer. Only the newest and best varieties are planted there, and many delightful new sorts may be expected from this seed. To those interested in prize winning varieties we recommend these mixtures.

2083 **Salbach Choice Mixed.** 4 ft. Pkt. (100 seeds), $1.00.

2084 **Salbach Selected Mixed.** 4 ft. Pkt. (100 seeds), $2.50.

2081 **Selecta, Extra Double Giant-Flowered.** A most beautiful mixture of the very best new double Dahlias, with flowers on stiff, erect stems. Pkt. (50 seeds), 50c.

DIANTHUS

2250 **Sweet Wivelsfield.** This is an outstanding novelty of easy culture. It is the result of a cross of the Dianthus Allwoodi on the Dianthus Barbatus. The growth is not unlike the Sweet William but the flowers are larger and it has a much wider range of color. Besides retaining the brilliant coloring of the Heddewigi strain, which was one of its ancestors, it has many of the dainty markings of the same. Some of the flowers have a honey perfume. One of the most important features is, it may be treated as an annual or biennial as it blooms the the first year from seed. Secured a Reward of Merit at Wisley. Pkt. (25 seeds), 35c.

DIMORPHOTHECA □

We have offered for many years this in the type and in the mixture which we illustrate in colors in our colored section this year. Recently the colors are being segregated and now we can offer the following two shades.

2321 **Aurantiaca Golden West.** Pkt., 25c.

2322 **—Salmon Beauty.** Pkt., 25c.

2327 **Pluvialis Ringens.** A dwarfer growing variety than the Aurantiaca, but flowers more freely. The individual flowers are pure white on the inside with a conspicuous blue ring around the center or eye of the flowers. Pkt., 25c.

ESCHOLTZIA □

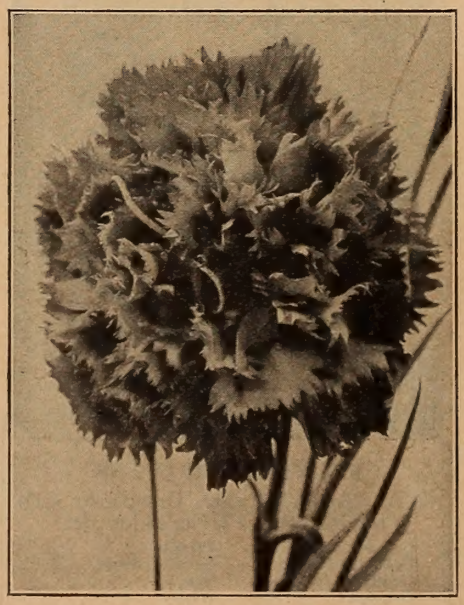
2396 **Ramona.** A single flower with frilled edges which gives it an appearance of a semi-double. The color is a pale but glittering coppery gold with pink shadings. Pkt., 15c.

GAILLARDIA □

2471 **Picta Indian Chief.** One of the most dependable of annuals. Flowering continuously. The blooms are a bronzy red on long stiff stems. Pkt., 15c.

GAMOLEPSIS □

2478 **Tagetes.** 6 in. A charming edging plant with daisy like yellow flowers. Pkt., 15c.



CARNATION Enfant de Nice

ESCHOLTZIA Ramona

GAZANIA □

2484 **Longiscapa.** 6 to 8 in. Extremely free flowering annual. The flowers, 2¼ in. in diameter, are a lovely golden yellow color with a brown silvery white spotted zone surrounded by a blackish brown ring. Of easy culture. Pkt., 15c.

LARKSPUR □

Improved Giant Hyacinth-Flowered. The plants grow in one big spike, broad at the base and tapering to a point at the top, resembling the best of the English type of perennial Delphinium.

2171 **Blue** 2174 **Purple**
2172 **Lilac** 2175 **White**
2173 **Pink** 2176 **Mixed,** all colors
Each of above, Pkt., 15c.

Emperor strain is a dwarf branching double stock flowered variety growing about 24 in. high.

2163 **The Empress.** This new sort is a salmony pink, produces an immense number of flowering spikes. Pkt., 25c.

2164 **Pink Delight.** A fine new larkspur of compact growth. Color same charming shade as the Larkspur Stock Flowered Exquisite. Pkt., 25c.

Stock Flowered Larkspur are a tall branching type making wonderful cutting material.

2124 **Empress Rose.** A rich pink changing to hermosa pink. It is everblooming. Superbranching Larkspur grows 6 ft. tall. The mammoth florets are well placed on the stem. Pkt., 25c.

2126 **Improved Exquisite.** Upright growth and color a soft pink shaded salmon. Pkt., 15c.

2126A **Exquisite Rose.** Beautiful shade of rose pink several tones deeper than Exquisite Improved. Pkt., 25c.

2129 **La France.** The flowers are a pleasing salmon-pink, very large and double, well-placed on long stems. Pkt., 25c.

2131 **Los Angeles.** A richer color than La France, a shade between salmon and rosy scarlet. Pkt., 25c.

MARIGOLD □

3166 **Double Dwarf French Robert Beist.** This is an attractive variety. It has been described by the originator as a dark purple who says a well developed flower possesses an unique saturated warm shade which is new in Marigolds. Pkt., 20c

MYOSOTIS □

3351 **Indigo-Blue Bouquet.** A compact upright grower of the pillar or column type completely smothered with attractive flowers of dark blue. Pkt., 25c.

3352 **Pink Bouquet.** A companion to the above only the flowers are a charming pink shade, splendid for pots or cut-flower purposes. Pkt., 25c.

NEMESIA □

3361 **Strumosa Compacta Large-Flowering Aurora.** An interesting annual of upright growth for low borders, with striking flowers, the upper petals being dazzling turkey-red and the lower ones milk-white. Pkt., 25c.

3362 **Strumosa Compacta Fire King.** Bright red. Pkt., 25c.

3363 **Strumosa Compacta Orange King.** Brilliant orange. Pkt., 25c.

New Flowers for Gardens of 1930

PANSY □

3842 **Mammoth Exhibition.** We can highly recommend this mixture. It is a sturdy grower and has a short habit and large leaves; in consequence the plant remains in good condition all summer. The flowers are round, solid, of gigantic size, and the most bewitching color range and variation. Pkt. (200 seeds), 50c.

3892 **Swiss Alpenglow.** This has the same early, free and almost ever blooming habit as our Swiss Giants (Mixture) but the color is of a rich velvety garnet. A most striking and attractive color. Pkt. (100 seeds), 50c.

3891 **Swiss Blue (Ullswater) (Thunder Sea).** The coloring is unusual and attractive. A solid blue flower with a blue black center. This color is one selected from our Swiss Giant which we offer and describe in our colored section. Pkt. (150 seeds), 50c.

3825 **Mrs. Pierre S. du Pont.** Rich, pure golden apricot, blushed with salmon, an entirely new shade. Giant size, long stems, petals of fine substance and perfectly placed. Pkt. (150 seeds), 50c.

NEW GIANT PETUNIAS □

4096 **Dwarf Large-Flowering Fringed Mixed.** Bushy plants about 12 inches high with many large flowers in great variety of color. Excellent for potting and bordering. Pkt., 50c.

4064 **Giants of California Heliotrope.** A most delightful and distinct color hitherto missing in this type. Pkt., 50c.

4062 **Theodosia.** Large-flowered fringed flowers of rosy pink with a clearly defined golden center with minute stripes. Pkt., 50c.

4066 **Dwarf California Giants.** The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the superbissima type. Very fine range of color. Pkt., 50c.

4069 **Ruffled Giants.** The charm of these are difficult to describe. There are so many bewitching shades of color in the gigantic ruffled flowers it is a continual joy to see the flowers unfold and develop. Pkt., 50c.

4068 **Fimbriata Miranda.** Deep carmine, scarlet throat, boldly waved and frilled, the best brilliant red petunia. Pkt., 50c.

3948 **Double Dwarf Large-Flowering Fringed Mixed.** Flowers nicely frilled, very large and quite double in a fine range of colors on splendid compact plants. Pkt., 50c.

3947 **Double Royal Purple.** Very fine new double variety. A very unusual shade. Pkt., 75c.

3953 **Double Rosy Morn.** Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a gardenia in shape. Pkt., 50c.

3945 **Shepherd's Pride.** True salmon pink of peony flowered type, flowers 4 inches in diameter and will produce 50% double flowers. This is a marvelous new color in Petunias and one of the prettiest yet produced. Very compact grower and a profuse bloomer. Pkt. (120 seeds), 50c.

ZINNIA Pumila Picotee Delight

PETUNIA
Dwarf California Giants

PRIMULA ÷

4476 **Malacoides Double Mauve Rose.** Deep rosy pink flowers of good size and form. Pkt., 75c.

4477 **Malacoides Courtland's Seedling.** Very effective, bright lilac pink flowers. Pkt., 75c.

4508 **Obconica Giant Red.** The plants are of very vigorous growth, free-blooming and the flowers of a rich deep red and of enormous size, from 1½ to 2 inches in diameter. Pkt. (100 seeds), $1.00.

4503 **Obconica Gigantea Rose Queen.** The largest and most vigorous Primula Obconica in existence. The immense trusses of flowers are freely borne on long stout stems and are of great size and substance. The color is the purest rose. Pkt. (100 seeds), $1.00.

4509 **Obconica Giant Ruby.** A very free bloomer, flowers up to 1½ in. in diameter, of a rich ruby red with a salmon undertone. Flowers do not turn blue when old. Pkt. (100 seeds), $1.00.

SALVIA □

4662 **Harbinger.** The plants are dwarf and compact in habit and the strong dark foliage is very effective against the vivid hue of the flowers; seeded in February will begin to flower in June and maintain a blaze of color until frost. Pkt., 35c. ⅛ oz., $1.00.

SCABIOSA □

4728 **Shasta.** A pure white of enormous size, the flowers measuring three and a half inches across with extremely long stems. Pke., 20c.

4729 **Peachblossom.** A beautiful shade of peachblossom pink, large size and long stems. Excellent cut-flower. Pkt., 20c.

STOCKS □

4929 **Bismarck Old Rose.** This is a robust pyramidal, late flowering variety, with large flowers. Old rose in color, similar to the color in the popular Old Rose in the Beauty of Nice group. Pkt., 25c.

SWEET PEAS □

Late Flowering Spencer

4988 **All Bright.** Intense scarlet-cerise, very brilliant; the orange suffusion heightens the color to a fiery scarlet. Pkt., 25c.

5064 **Fluffy Ruffles.** A great big flower; vigorous and free-blooming—the first of the Duplexed Sweet Peas. A new type, duplexed and frilled, with long stems. A lovely rich rose-pink, a gleam of soft salmon, and a bright creamy undertone blend into a harmonious cream-pink shade. A flower of exquisite texture and sweet fragrance. Pkt., 15c.

5262 **Renown.** Brilliant shade of carmine-rose, very large flowers and vigorous growth. Pkt., 15c.

For the following Early Flowering novelties we refer you to general list on page 64.

Alameda	**Majestic**
Belle	**Marine**
Blue Bonnet	**Oriental**
Bright Light	**Sunray**
Christmas Red	**The Blaze**
Duplex Pioneer	**Valencia**

SCHIZANTHUS □

4758 **Retusus Roseus.** 2 ft. Large rose orchid-shaped flowers fairly cover the plant. Foliage fern-leaved. Upright growth, fine for cuttings. Pkt., 25c.

VERBENA □

5716 **Royal Bouquet Mixed.** 15 to 18 in. tall. A new departure in growth of Verbena Hybrida. Heretofore this family had a roving, creeping habit being used principally as a ground cover. This variety has an upright growth on straight stems making it a good cut-flower sort and a symmetrical bedding plant. The flowers are very large in many charming colors. Pkt., 25c.

5717 **Sutton's Giant Pink.** A fine salmon pink with a faint light eye. Comes almost true from seed—an improvement on Ellen Willmott which may only be supplied true from cuttings. Pkt., 25c.

5744 **Erecta Compacta Mixed.** A dwarf compact plant of upright and not spreading growth in many attractive colors. Pkt., 25c.

5735 **Nana Compacta Fireball.** Grows about 6 inches high, literally covered with bright scarlet blooms; excellent for borders or pot plants. Comes true from seed. Pkt., 25c.

VIOLA CORNUTA □

The Violas are a large family. To them belong the Pansies or Viola Tricolor Maxima as they are known botanically and the Viola Odorata or Violet and the Viola Cornuta or Horned Violets which are nearly as large as Pansies and bloom freely and continuously all season if the wilted blooms are kept nipped off.

Viola Bosniaca and Florariense are perennials and will be found in the perennial novelties.

5805A **Apricot.** Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.

5818 **Hansa.** This variety carries its lovely rich violet colored flowers on long stems in the greatest profusion and blooms continuously all season Pkt., 25c.

5817 **Jersey Gem.** Forms a large, compact plant. The flowers are a very pleasing shade of deep violet-blue, with an occasional very slight variation in tint. Pkt., 25c.

5810A **Primrose Dame.** Sulphur yellow. Pkt., 25c.

5816. **Puck.** The two upper petals are a velvety deep purple-violet and the three lower clear yellow. Pkt., 25c.

5812A **Terra Cotta.** Terra cotta shades. Pkt., 25c.

8582 **G. Wermig.** Resembles in shape size and color a large single violet. Pkt., 25c.

8583 **G. Wermig Alba.** A white variety of above. Pkt., 25c.

ZINNIA □

6160 **Pumila Picotee Delight.** Delight can be classed as a Pumila type, very floriferous and of compact growth. The petals of the flowers are ruffled and curled, giving a light and dainty effect. In addition, each petal is beautifully picoteed, making it a most striking flower. A mixture of many attractive shades, including salmon, cream, buff, biscuit, golden-yellow and lavender. The stems have not the stiffness of other sorts. Pkt., 25c.

New and Rare Perennial Flower Seeds

For Complete List of Perennial Seeds and Plants, see Pages 69 to 85.

DELPHINIUM Blackmore and Langdon Strain

ALYSSUM

7058 **Rostratum.** 20 inches. Flowers deep yellow in dense heads which fairly cover the plant in summer. Leaves 2 inches long, broad and oblong pointed and hairy. Pkt., 25c.

ANCHUSA

7069 **Italica Grand. Lissadel.** A perennial Anchusa similar in appearance and habit to the well known Dropmore variety, but with flowers much larger and of a more intense gentian-blue. Invaluable for the hardy border. Pkt., 25c.

ANEMONE

7076 **Coronaria Creagh Castle Strain.** Of Irish origin. Secured Gold Medal R.H.S. the first time ever awarded for Anemones besides award of Merit R.H.S. and the Silver Banksia Medal R.H.S. It belongs to the St. Brigid variety which is well known. The flowers are extremely large and the range of color exceptional. Pkt., 50c.

7077 **Coronaria His Excellency.** A large single scarlet flower. Pkt., 25c.

AQUILEGIA

7121 **Californica Hybrida.** Flowers large, long spurred, dark carmine lake with light yellow corolla. Pkt., 20c.

7126 **Chrysantha Silver Queen.** Long spurred silvery white flowers. Pkt., 25c.

7151 **Dobbie's Imperial Hybrids.** A very fine assortment made by a European hybridizer which will be sure to charm you by its dainty beauty. Pkt., 25c.

7158 **Long Spurred Blue Shades.** A fine long spurred variety in blue shades from light to dark. Pkt., 25c.

7159 **Long-Spurred Rose and Scarlet Shades.** A very attractive selection and well worth trying. Pkt., 25c.

For **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids**, see Color Section.

7153 **Farquhar's Pink.** Beautiful pink, long spurred flowers. Pkt., 25c.

ASTER

7229 **Farreri.** A new perennial species described by Mr. Farrer in his report to the Royal Horticultural Society, after one of his expeditions, as the most glorious Aster he has seen. The color is a soft tone of violet-mauve, with large golden orange disk, and the flowers are from 2 to 3 inches across. Blooms in June and July. Pkt., 35c.

7229A **Yunnanensis.** Blooms in early Summer. Flowers brilliant lilac-blue with yellow disk. Pkt., 35c.

BEAUTY BUSH

7236 A free flowering shrub of extreme hardiness, 5 to 7 ft. Flowers are borne in rounded clusters of pure pink color followed by curious cobwebby fruits. Introduced from China by E. H. Wilson. The botanical name is Kolkwitzia Amabilis. Pkt. (50 seeds), 50c.

CAMPANULA

7334 **Fragilis.** Is of prostrate trailing habit, and has large pale blue flowers. It likes a well-drained position with as little moisture as possible. Extremely free-blooming. Pkt., 25c.

CHRYSANTHEMUM

7502 **Elder Daisy.** A popular variety for early cutting, flowers coming into bloom 4 or 5 weeks earlier than the Shasta Daisy Alaska. The blooms are smaller with more of them to a plant. Height, 2 ft. Pkt., 15c.

7503 **Double White Lady.** Comes about 70% double, balance will be attractive single flowers. Pkt., 20c.

COREOPSIS

7496 **Lanceolata Grandiflora Fl. Pl.** (Double Flowering Coreopsis.) This new double and semi-double form is just as easy to grow as the single and the extra petalage adds a further charm to the flower. Pkt., 25c.

7497 **Grandiflora Auriculata Superba.** Its large single flowers, several tones deeper than the well-known Grandiflora, measuring 3 inches across, are borne on long stiff stems. A serrated band of brownish-red encircles the golden disc. Pkt., 25c.

SHASTA DAISY

7501 **Westralia.** A very fine Shasta Daisy similar to Alaska only of higher growth and blooming slightly earlier. Height three feet. Pkt., 25c.

DELPHINIUM

7564 **Blackmore and Langdon Strain.** It was our pleasure last summer to see those in bloom and it is a memory-picture we would like to reproduce, but words are inadequate. They had a dignity peculiarly their own—tall, graceful spikes of bloom covered from top to bottom with captivating blooms in charming color combinations. All the clear shades of blue with many delightful opaline variations. Some made one think of the inside of sea-shells, all with bees of contrasting colors. Pkt., 50c; large pkt., $1.00.

7562 **Vanderbilt Hybrids.** A Californian novelty of charming beauty. Immense flower stalks with great heads of bloom tapering to the tip. Nearly all flowers open at once and exhibit the greatest combination of colors known. Pkt., 50c.

7569 **Wrexham Strain (Hollyhock Delphinium).** The chief distinguishing features of the "Hollyhock" Delphiniums are: the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period—many varieties bloom well into August, their resemblance to Hollyhocks. The seed we offer was grown from the introducer's stock seed and is as true to type as is obtainable. Pkt., 50c; large pkt., $1.00.

COREOPSIS Lanceolata (Double-Flowering)

GAILLARDIA Grandiflora Dazzler

XXX Hybrids Separate Colors

One of our growers who is a specialist in the culture of Delphinium seed has been at work on an improved strain of this and has segregated different colors into various shades which we are glad to offer as follows:

7556 **XXX Light Blue Shades,** Pkt., 35c.

7557 **XXX Dark Blue Shades.** Pkt., 35c.

7558 **XXX Mid-Blue Shades.** Pkt., 35c.

7559 **XXX Pastel Shades.** Pkt., 35c.

7568 **Double Selecta.** Extra double new hybrids, mixed, producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c.

For other Delphiniums, see Color Section.

GAILLARDIA-Grandiflora

7811 **Dazzler.** Large flowers up to 5 inches across, bright golden yellow with rich maroon red center, fine for cutting. Pkt., 25c.

7836 **Portola Hybrids.** 2½ to 3 ft. The stems are strong, and stiff. The flowers are nearly 4 in. in diameter, the petals being very broad and overlapping, of great substance; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Pkt., 25c.

7829 **Sibylla.** Flowers large, vivid carmine, tipped white, with dark crimson center. Pkt., 25c.

7831 **Tangerine.** Compact grower, large, soft orange colored flowers resembling the color of the tangerine orange. An absolutely distinct color. Pkt., 25c.

GEUM

7851 **Boresii.** Producing an abundance of neat branching stems, covered with large well-formed flowers, brilliant shade of scarlet. June till late autumn. Pkt., 35c.

7852 ×**Lady Stratheden (Golden Ball).** Flowers loosely double, a delightful shade of golden yellow. Cut blooms of this with sprays of Euphorbia Polychroma make a charming cut-flower combination. Pkt., 35c.

GYPSOPHILA

7861 **Manginii.** Tall perennial variety with rosy-white flowers. Pkt., 15c.

HELENIUM (Sneeze-wort)

7888 **Pumilum magnific.** Bright yellow flowers. July to Sept. 2 ft. tall. Belongs to Daisy order. Pkt., 25c.

LUPINUS

8167 **Arms of Enkhuizen.** A new perennial variety with dainty white flowers suffused with creamy pink. Pkt., 25c.

MECONOPSIS

8222 **Baileyi.** The new and beautiful blue Thibetan poppy. It is a graceful plant, with downy pale green leaves, the brilliant Cambridge-blue pendant flowers, 4 inches across, being carried singly on stems about 2 feet high. Hardy perennial, thriving best in a shaded position. Pkt. (100 seeds), 50c.

New and Rare Perennial Flower Seeds

HOLLYHOCK Double Exquisite

HOLLYHOCK

8006 **Alameda Pink.** A beautiful new strain of varying light pink shades of semi-double, crinkly type usually called "Alleghany." The foliage is deep green and thick and large and is quite distinct from other varieties of hollyhock. The blossoms are very large, quite 4½ inches across. Blooms first year if sown early. Pkt., 25c.

7969 **Double Exquisite.** Mixed. New, large flowers with curled, fringed, white margined petals. Pkt., 25c.

7971 **Kew Garden Pink.** Large flowers, satiny pink, 6 to 7 in. in diameter with broad guard petals with a tuft of petals in center. Pkt., 25c.

8008 **Double Imperator.** 4–5 ft. Flowers measure 5 to 6 in. across with an entirely new formation. The blooms are composed of a very broad collar of frilled and fringed petals. The color display of these blooms is extraordinarily large and consists of combinations of colors graduating from dark scarlet to cream with delicate yellow center rosette with pink edge and salmon color collar or with canary yellow center with pinky collar or the reverse. The plants are vigorous branching type. Pkt., 50c.

8004 **Double Lilac Beauty.** A clear bright lilac color. A new shade. Pkt., 25c.

8003 **Double Queen of Sheba.** New, beautiful primrose, buff with rosy reflection. Pkt., 25c.

LILIUM (Lily)

8117 **Regal.** The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Lift the bulblets in fall and replant to greater depth in their permanent location. Pkt. (250 seeds), 25c. For bulbs, see bulb pages.

8117A **Tenuifolium. (Coral Lily of Siberia).** It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on the stem. Blooms are deep scarlet in color and have recurled petals of waxy texture. Pkt. (100 seeds), 35c.

8117B **Willmottiae.** 4 ft. Flowers vivid orange-red, the recurved petals being spotted with brown, the slender foliage of a rich brown. Pkt. (100 seeds), 35c.

PAPAVER (Poppy)

8289 **Nudicaule Coonara Pink.** A charming warm rose-pink, faintly suffused with salmon-pink combining the pink and salmon shadings in wonderful delicacy. The plants are more vigorous than is usual in Iceland Poppies, and the flowers are much more freely produced on long, slender stems throughout the season. They will keep well if cut in bud and the end of stems seared for a moment. If sown in the hotbed in March or April, plants will bloom the same year. Pkt., 35c.

MYOSOTIS (Forget-Me-Not) 4 to 9 In.

8248 **Marga Sacher.** 10 in. Deep sky-blue flowers which measure 2/5 to 3/5 inches across. Pkt., 50c.

PENTSTEMON (Beard Tongue)

8318 **Grandiflorus.** 2 to 3 in. While this is a fairly common native plant in some sections and by no means new to cultivation, it seems so attractive that it deserves to be featured. The long spikes of dainty lavender-blue are unlike anything else in the garden. The flowers are at their best in late May and June. Beautiful and lasting as a cut flower. It likes an open, sunny place and seems to do well on clay or lighter soil. Pkt., 35c.

PRIMULA (Primrose)

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location and are fine for a rock garden.

8404 ×**Beesiana.** A new, hardy primrose with brilliant velvety purple flowers with a large yellow eye, very rich coloring. Pkt., 35c.

8405 ×**Bullesiana Hybrida.** New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.

8410 ×**Japonica. Mrs. Scott Elliott's Special Strain.** A very fine selection made by Mrs. Elliott. Colors range through all shades of white, rose, pink, crimson, mauve and lavender, bright crimson with orange eye. The flowers appear in whorls two or more on a stem. Pkt., 35c.

8419 **Veris Grandiflora Extra Choice Excelsior Strain.** A very fine selection made by a famous specialist. Pkt. (150 seeds), 50c.

PYRETHRUM

8429 **Ptarmiciflorum.** 6 in. Silvery white, graceful, feathery foliage, a fine ornamental plant valuable for pots, beds and rockeries. Pkt., 35c.

8437 **Roseum Comet Flowered Ostrich Feather.** Single and semi-double flowers with rolled and twisted petals. Pkt., 35c.

8436 **Roseum James Kelway.** A rich velvety blood-red. Pkt., 25c.

SCABIOSA

Columbaria. It is a hardy low growing perennial with fine light green foliage, some of the flowers measuring two to two and a half inches across with short compact petals, borne on long, slender but strong stems. A splendid cut flower. A native of South Africa.

8493 **Delicate Lavender.** Pkt., 25c.

8494 **Delicate Pink.** Pkt., 25c.

8492 **Caucasica, House's New Giant Strain.** A new strain of this handsome border plant, flowers very large and of beautiful form ranging in color from light azure-blue and lavender to deep blue and silvery white. Pkt., 25c.

SIDALCEA

8499 **Stark's Hybrids.** Charming and elegant hardy border plant, growing 2 to 3 feet high, with graceful spikes of exquisite, long stemmed flowers, the colors varying through light pink to deep rose shades. The blooms appear continuously throughout the summer months and are invaluable for cutting. Pkt., 25c.

SCABIOSA Columbaria

SIDALCEA Stark's Hybrids

TROLLIUS (Globe Flower)

8553 **Ledebouri. Golden Queen.** The plant is very vigorous, grows from three to four feet in height, but its chief value lies in the size of the flowers and the intense orange color, the extreme floriferousness and the constancy with which it flowers in autumn as well as early summer. It comes practically true to type from seed. Any slight variation which may appear is only in the number of petals but the fewer petals is amply compensated for by their being of such size and substance as not to be noticeable.

Most Trollius are rather uncertain to raise from seed when sown in Spring but one of the greatest recommendations this introduction has is that the seed germinates freely when sown in the Spring. We tested this point very fully by three successive sowings in March, April and May of last Spring when practically every seed germinated.

Trollius Ledebouri Golden Queen received an Award of Merit from the R.H.S. in June 1927. Pkt., 50c.

VIOLA

8581 ×**Bosniaca.** Free-blooming, small deep purple flowers. Pkt., 25c.

8584A ×**Florariense.** This variety forms large compact plants producing a continuous profusion of bloom for a long period, considerably longer than other Violas. The flowers are a very pleasing shade of pale lavender. The plants continue to throw up flowers long after other varieties are withered up. Splendid rock garden plant. Pkt., 35c.

8583A ×**Gracilis—Dark Violet Blue.** Very free blooming new variety. Flowers same size and color as the Sweet Violet. Can be used in rock gardens in place of Viola Jersey Gem which it resembles. Pkt., 35c.

8584 ×**Gracilis Lord Nelson.** Glowing violet-purple. 6 in. April-August. Pkt., 35c.

8579A ×**Johnny-Jump-Up or Viola Tricolor.** The probable ancestor of the pansy, whose native habitat is the cooler parts of Europe, has long been known to us as the ladies' delight, or none-so-pretty of our grandmothers' gardens and is still a precious possession, even though we have to weed out the plants where they take possession and crowd out more delicate kinds. They make a braver show than their aristocratic relative, the viola, which does not always survive our Winter changes, and if allowed to seed will carpet the rose or iris bed with a sheet of tiny flowers facing the sun in May. They are persistent bloomers and one may even find blossoms on some plant in mid-winter, although the stems are then hardly long enough to pick. Purple, blue and yellow are the three colors that give them their name and the combinations are variable; sometimes there will be a yellow blossom and below it on the same stalk one of yellow and blue. Pkt., 25c.

Flower Seed Collections

ON THIS page we suggest flowers for various special purposes, giving prices on collections which represent a saving over single packet prices. We cannot make any change in varieties offered.

Collection 44 A

Annuals for Cut-flowers, 6 pkts. for 50c.

1 pkt. Aster Giant Ostrich Feather Mixed.
1 pkt. Calendula Orange King.
1 pkt. Candytuft Giant Hyacinth-Flowered White.
1 pkt. Centaurea Imperialis Mixed (Giant Sweet Sultan).
1 pkt. Hunnemannia (Bush Escholtzia).
1 pkt. Larkspur Stock Flowered Mixed.

Collection 44 B

Annuals for Cut-flowers, 6 pkts. for 50c

1 pkt. Gypsophila Angel's Breath.
1 pkt. Marigold Vaughan's Special Tall Mixed.
1 pkt. Scabiosa Vaughan's Special Mixture.
1 pkt. Stocks Giant Perfection Mixed.
1 pkt. Sweet Peas Vaughan's Special Spencer Mixed.
1 pkt. Zinnia Vaughan's Colossal Mixed.

Collection 44 C

Annual Climbers, 6 pkts. for 50c

1 pkt. Balloon Vine.
1 pkt. Balsam Pear.
1 pkt. Canary Bird Vine.
1 pkt. Cobaea Scandens.
1 pkt. Cypress Vine Mixed.
1 pkt. Dolichos Mixed.

Annuals to Color

Collection 44 "Blue"

6 pkts. for 50c

1 pkt. Ageratum Blue Perfection.
1 pkt. Aster California Giants Light Blue.
1 pkt. Cynoglossum Amabile.
1 pkt. Didiscus Coeruleus.
1 pkt. Gilia Capitata.
1 pkt. Larkspur Stock-Flowered Dark Blue.

Collection 44 "Pink"

6 pkts. for 50c

1 pkt. Antirrhinum Silver Pink.
1 pkt. Aster Peerless Pink.
1 pkt. Centaurea Cyanus Double Rose and Pink Shades.
1 pkt. Cosmos Early-Flowering Mammoth Pink.
1 pkt. Godetia Gladiolus-Flowered Rosy Morn.
1 pkt. Larkspur Stock-Flowered Lustrous Carmine.

Any 2-50c collections . . . $0.90
Any 3-50c collections . . . 1.30

Collection 44 "Golden"

6 pkts. for 50c

1 pkt. Antirrhinum Golden King.
1 pkt. Calendula Apricot.
1 pkt. Centaurea Suaveolens.
1 pkt. Escholtzia Golden West.
1 pkt. Marigold Lemon Queen.
1 pkt. Calliopsis Crown of Gold.

Collection 44 "Red"

6 pkts. for 50c

1 pkt. Aster Heart of France.
1 pkt. Clarkia Brilliant.
1 pkt. Dianthus Fireball.
1 pkt. Linum Grandiflorum Rubrum.
1 pkt. Verbena Lucifer.
1 pkt. Zinnia Dahlia Flowered Crimson Monarch.

Collection 44 "White"

6 pkts. for 50c

1 pkt. Antirrhinum Queen Victoria.
1 pkt. Arctotis Grandis.
1 pkt. Aster Giant Branching White.
1 pkt. Cosmos Early-Flowering Mammoth White.
1 pkt. Nicotiana Affinis.
1 pkt. Phlox Drummondi Grandiflora Alba.

Collection 44 E

Annual Everlastings, 6 pkts. for 50c

1 pkt. Acroclinium Roseum Double.
1 pkt. Ammobium Alatum Grandiflorum.
1 pkt. Helichrysum Vaughan's Special Mixture.
1 pkt. Rhodanthe Mixed.
1 pkt. Statice Sinuata True Blue.
1 pkt. Xeranthemum Double Mixed.

Collection 44 F

Annuals for Foliage Effect, 6 pkts. for 50c

1 pkt. Artemisia Sacrorum Viridis.
1 pkt. Centaurea Candidissima.
1 pkt. Cineraria Maritima Diamond.
1 pkt. Coleus Fine Mixed.
1 pkt. Perilla Nankinensis.
1 pkt. Pyrethrum Aureum (Golden Feather).

Collection 44 G

Annual Ornamental Grasses, 6 pkts. for 50c

1 pkt. Agrostis Nebulosa.
1 pkt. Briza Maxima.
1 oz. Coix Lachrymae.
1 pkt. Eragrostis Elegans.
1 pkt. Lagurus Ovatus.
1 pkt. Tricholaena Rosea.

Any 4-50c collections . . . $1.50
Any 5-50c collections . . . 1.80

Collection 44 H

Perennials, 6 pkts. for 50c

1 pkt. Coreopsis Lanceolata Grandiflora.
1 pkt. Gaillardia Grandiflora Mixed.
1 pkt. Larkspur Elatum Hybridum Single
1 pkt. Linum Perenne (Blue Flax).
1 pkt. Pyrethrum Roseum Grandiflorum
1 pkt. Shasta Daisy Alaska.

Collection 44 I

Annuals for Rock Gardens, 6 pkts. for 50c

1 pkt. Alyssum Little Gem.
1 pkt. Calandrinia Grandiflora.
1 pkt. Leptosiphon French Hybrids.
1 pkt. Nierembergia Gracilis.
1 pkt. Phlox Drummondi Dwarf Mixed.
1 pkt. Sanvitalia Procumbens. fl. pl.

Collection 44 J

Perennials for Rock Gardens, 6 pkts. for 50c

1 pkt. Alyssum Saxatile Compactum.
1 pkt. Arabis Alpina.
1 pkt. Dianthus Plumarius Single Mixed.
1 pkt. Forget-me-not Palustris Semperflorens.
1 pkt. Poppy Nudicaule Single Mixed.
1 pkt. Viola Cornuta Mixed (Bedding Violas).

Collection 44 K

Sweet-Scented Annuals, 6 pkts. for 50c

1 pkt. Antirrhinum Vaughan's Special Mixture.
1 pkt. Heliotrope Mammoth Flowered Mixed.
1 pkt. Mignonette Giant Machet.
1 pkt. Petunia Dwarf Mixed.
1 pkt. Stocks Giant Perfection Mixed.
1 pkt. Sweet Peas Vaughan's Special Spencer. Mixed.

Collection 44 L

Annuals for Edging, 6 pkts. for 50c

1 pkt. Alyssum Little Dorrit.
1 pkt. Antirrhinum Tom Thumb Mixed.
1 pkt. Candytuft Dwarf Hybrids Mixed.
1 pkt. Centaurea Victoria.
1 pkt. Sanvitalia Procumbens Fl. Pl.
1 pkt. Verbena Vaughan's Best Mixed.

Collection 44 M

Butterfly Collection 6 pkts. for 50c

1 pkt. Asperula Azurea Setosa.
1 pkt. Centaurea Suaveolens.
1 pkt. Mathiola Bicornis.
1 pkt. Mignonette Machet.
1 pkt. Scabiosa Vaughan's Special Mixed.
1 pkt. Verbena Mayflower.

Perennial Seeds for Rock Gardens

7055 **ALYSSUM Saxatile Compactum.** Golden yellow. 9 in. June. Pkt., 10c.
7056 **Saxatile Sulphureum.** Sulphur yellow—9 in. June. Pkt., 15c.
7090 **ANEMONE Pulsatilla.** Violet lilac—12 in. April-May. Pkt., 10c.
7100 **Sylvestris.** White—12 in. April-June. Pkt., 15c.
7119 **AQUILEGIA Alpina.** Blue, 12 in., April-July. Pkt., 15c.
7140 **Coerulea.** Rocky Mountain Columbine. Blue and white, 12 in., May-July. Pkt., 10c.
7149 **Glandulosa Major.** Black violet with white corolla, 12 in., May-July. Pkt., 25c. Also other Aquilegia, see Perennial List.
7195 **ARABIS Alpina.** White, 6 in., spring. Pkt., 10c.
7210 **ARMERIA Formosa.** Red, 9 in., early summer. Pkt., 10c.
7211 **Formosa Hybrida.** 9 in., early summer. Pkt., 15c.
7218 **Laucheana.** Rosy crimson. 6 in., early summer. Pkt., 10c.
7219 **Maritima.** Lilac rose. 6 in., early summer. Pkt., 15c.
7214 **ARENARIA Montana.** White, 12 in., June-August. Pkt., 25c.
7222 **ASPERULA Odorata.** White, 9 in., early spring. Pkt., 10c.
7226 **ASTER Alpinus, Goliath.** Soft blue, large, 10 in. Pkt., 20c.
7227 **Alpinus, Nixe.** Light blue, star shaped, 12 in. Pkt., 15c.
7228 **Subcoeruleus.** Light blue, 15 in. Pkt., 20c.
7230 **AUBRIETIA.** Large flowering hybrids, 6 in., spring. Pkt., 25c.
7231 **Bougainvillei.** Dark blue, 6 in., spring. Pkt., 25c.
8403 **AURICULA.** Mixed colors. 6 in., spring. Pkt., 25c.
7257 **CALAMINTHA Alpina.** Blue, 6 in., May and June. Pkt., 35c.
7256 **CALLIRHOE Involucrata,** Trailing plant large crimson flower. Pkt., 15c.
7260 **CAMPANULA Carpatica.** Blue, 9 in., July-August. Pkt., 10c.
7265 **Carpatica Alba.** White, 9 in. Pkt., 10c.
7366 **Rotundifolia.** Blue, 12 in., spring. Pkt., 15c
7361 **Turbinata.** Blue, 6 in. spring. Pkt., 20c.
7362 **—Alba.** White, 6 in., spring. Pkt., 15c.
8080 **CANDYTUFT Sempervirens.** White, 12 in., June-July. Pkt., 15c.
7435 **CERASTIUM Tomentosum** (Snow in Summer). Silvery white foliage, white flowers, 4 in., spring. Pkt., 15c.
7482 **CONVOLVULUS Mauritanicus.** 2 in. Blue white throat. Pkt., 15c.
7499 **CRUCIANELLA Stylosa.** Light red, 18 in., July. Pkt., 15c.
7791 **EDELWEISS.** White, 12 in., early summer. Pkt., 25c.
7798A **ERINUS Alpinus.** Mixed white, carmine and rose, 4 in., May-July. Pkt., 25c.
7580 **DIANTHUS Caesius.** Flesh, 1 ft., July. Pkt., 25c.
7582 **Deltoides.** Rose, 8 in., summer. Pkt., 25c.
7586 **Neglectus.** Fiery red, 6 in., May-July. Pkt., 50 seeds, 25c.
7625 **Plumarius** (Clove Pink). Vaughan's Speical Mixture 6 in., summer. Pkt., 25c. (for other Plumarius, see Perennial List).
7794 **ERYSIMUM Pulchellum.** Yellow, 6 in., May-July. Pkt., 15c.
7806 **EUPHORBIA Polychroma.** 1 ft., flower leaves yellow. Pkt., 25c.
3320 **FORGET-ME-NOT Alpestris.** Blue, 4 in., May-June. Pkt., 10c.
3330 **Alpestris Rosea.** Pink, 4 in. Pkt., 10c.
8250 **Ruth Fisher.** Sky blue, 6 in., May-July. Pkt., 25c.
7857 **GLOBULARIA Trichosantha.** Dark blue, 12 in. Pkt., 20c.
7862 **GYPSOPHILA Repens.** White, 6 in., summer Pkt., 15c.
7906 **HELIANTHEMUM Mutabile.** Pale rose, changing to lilac and white, 12 in. June-Aug. Pkt., 10c.
7940 **HEUCHERA Sanguinea.** Crimson, 30 in., June. Pkt., 25c.
7943 **Sanguinea Hybrida.** Grandiflora, mixed colors, 30 in., June. Pkt., 35c.
8088 **INULA Ensifolia.** Yellow, 9 in., July-Sept. Pkt., 25c.
8120 **LINARIA Cymballaria** (Kenilworth Ivy). Violet, 3 in., May. Pkt., 10c.
8121 **Dalmatica Macedonica.** Yellow, orange lip. Pkt., 25c.
8200 **LYCHNIS Alpina.** Rose, 4 in. Pkt., 20c.
8254 **NEPETA Mussini.** Bright blue, 1 ft., all summer. Pkt., 25c.
8261 **OENOTHERA Missouriensis.** Yellow. 1 ft., June-Sept. Pkt., 10c.
8370 **PLATYCODON Mariesii Blue.** 1 ft. Deep blue. Pkt., 10c.
8375 **Mariesii Alba.** White. Pkt., 10c.
8269 **POPPY Alpine.** Mixed, 6 in. Pkt., 35c.
8270 **Nudicaule** (Iceland) Mixed. Pkt., 10c.
8286 **—Sunbeams** (new hybrids). Pkt., 25c.
8290 **—Double mixed.** Pkt., 15c.
8404 **PRIMULA Bessiana.** Glowing velvety purple with yellow eye. 18 in., May-June. Pkt., 35c,
8405 **Bullesiana Hybrida.** Fine shades of yellow, orange, apricot, and carmine, 18 in., May-June. Pkt., 50c.
8408 **Japonica Mixed** white, purple, lilac, carmine, 15 in., spring. Pkt., 15c.
8413 **Pulverulenta.** Shining purple carmine, 18 in., May-June. Pkt., 35c.
8414 **Rosea Grandiflora.** Rose carmine, 8 in. May-June. Pkt., 35c.
8416 **Veris (Polyanthus).** Largeflowering, mixed, 9 in., spring. Pkt., 25c.
8418 **Yellow,** 12 in. Pkt., 25c.
8417 **Munstead** strain. Flowers of largest size, fine shades including yellow and white, 12 in., spring. Pkt., 35c.
8440 **PYRETHRUM Roseum (Painted Daisy). Hybridum Grandiflorum.** Single Mixed Seeds, 15c per pkt.
8446 **RANUNCULUS Asiaticus.** 6-12 in. May. Variable in color, generally double in form. Pkt., 15c.
8485 **SAPONARIA Ocymoides Splendens.** 6 in. White and crimson. Trailing. Summer. Pkt., 10c.
8486 **SAXIFRAGA Decipiens Grandiflora.** Masses of white flowers, 18 in. Pkt., 35c.
8487 **Cordifolia Splendens.** 2 ft., Bright rose pink. Pkt., 35c.
8488 **Lingulata Leichtlini.** Bright red. Pkt., 50c.
8489 **Rhei superba.** Rose, 12 in., May-July. Pkt., 35c.
8495A **SCUTELLARIA Coelestina.** Blue. Pkt., 25c.
8501 **SEDUM Acre** (Golden Moss) 3 in. Yellow. June-July. Pkt., 25c.
8505 **SILENE Shafta.** Rose 4 in., July. Pkt., 15c.
8511 **SOLIDAGO Virgo-aurea Alpestris.** Yellow, 10 in., spring. Pkt., 15c.
8512 **SPERGULA Pilifera.** 4 in. A hardy evergreen. Pkt., 35c.
8519 **STATICE Incana Alba.** 1 ft. Small pearly white flowers. Pkt. 15c.
8540 **THALICTRUM Adiantifolium.** 9 in. June-July. Small plumes, whitish flowers. Pkt., 10c.
8549 **THYMUS Serpyllum.** (Wild Thyme) Creeping plant, purple flowers. Pkt., 25c.
8559 **TUNICA Saxifraga.** Lilac rose, 10 in., May. Pkt., 15c.
8577 **VERONICA Incana.** Ageratum-blue, 12 in., Summer. Pkt., 25c.
8572 **Longifolia Hendersoni Nana.** 1 ft., Dark blue. Pkt., 25c.
8573 **Repens.** 1 ft., May-June. Blue flowers. Pkt., 25c.
8578 **Prostrata** mixed. Blue and white. Trailer. June-July. Pkt., 25c.
8581 **VIOLA Bosniaca.** Magenta purple, 4 in., summer. Pkt., 25c.
5805A **Cornuta Apricot,** Apricot tinged orange. Pkt., 25c.
8582 **—G. Wermig.** Violet blue. 8 in., Summer. Pkt., 25c.
5818 **—Hansa,** Rich violet. Pkt., 25c.
5817 **—Jersey Gem.** Violet blue. Pkt., 25c.
5810A **—Primrose Dame.** Sulphur yellow. Pkt., 25c.
5816 **—Puck.** Purple, violet and yellow. Pkt., 25c.
5812A **—Terra Cotta.** Terra cotta shades. Pkt., 25c.
8583 **—White Wermig.** White, 8-in., Summer. Pkt. 25c.
(For other Cornutas, see page 69.)
8584A **Florariense.** Lavender. Pkt., 35c.
8584 **Gracilis Lord Nelson.** Glowing violet purple, 6 in. April-August. Pkt., 35c.
8579A **Johnny-Jump-Up.** Purple, blue and yellow. Pkt., 25c.

Ask for Our Complete Lists of Rock Garden and Native Plants

Water Lilies

INTEREST in water gardens is growing rapidly, and there are sound reasons for it. As the principal feature of interest in the small garden, a pool answers admirably. It can be made to harmonize with either natural or formal styles, and fits well into most designs. It will furnish a home for gold fish, and other aquatic animal life, while the bog plants and water lilies which can be grown in it have both beauty and strangeness to attract all. Garden makers are learning how easy it is to grow water plants and how richly they reward them. Complete list of water lilies, oxygenating and bog plants with directions for pool making and plant culture are given in our circular which will be mailed on request.

A FORMAL LILY POOL

COVER COLLECTION No. 2 or

Beginner's Collection of Water Plants

One each of the three beautiful day-blooming lilies described below (illustrated in color on second cover page) and three water hyacinths (6 plants, value $8.00) will be sent postpaid 300 miles from Chicago for $5.00.

WATER HYACINTH (Eichhornia Crassipes Major). The petioles of the plant are inflated and serve as air chambers to keep the plant afloat. In shallow water the plants will take root and flower more freely than if floating. On a stem about one foot in height it bears a loose spike of flowers, pale lavender-blue. The bushy roots harbor spawn of goldfish. 3 for 50c.

MARLIACEA ALBIDA. A large pure white fragrant flower with yellow stamens. The sepals are tinted pink. Grows fast, blooms continuously the whole season. One of the choicest. Each $1.50.

MARLIACEA CHROMATELLA. Charming yellow flowers from four to six inches in diameter with bright yellow stamens. The leaves are beautifully mottled with bronze-red. Flowers freely. Best yellow hardy water lily. Each $2.00.

PAUL HARIOT. Magnificent light yellow shading to orange pink and then to copper red. Large flowers of great beauty and substance. Will thrive under extreme conditions and blooms freely. Foliage spotted brownish red. One of the most popular of the changeable types. Each $4.00.

Cover Collection No. 2A of Tender Water Lilies

Illustrated in Color on Second Cover Page

AUGUST KOCH. Day blooming. Fragrant flowers, eight inches across on stems rising from eight to ten inches above the water, blooms remaining open from four to six days. The sepals are purplish lilac, the petals pale wisteria violet and stamens yellow, shading to orange, then lavender. The leaves are green on upper surface. Excellent bloomer and of extremely easy cultivation. This variety was originated by Mr. August Koch, chief florist of Garfield Park, Chicago, Ill., and is considered the finest of its kind. Each $2.50.

FRANK TRELEASE. Night blooming. Flowers brilliant, glowing, dark crimson, eight to ten inches in diameter; stamens deep reddish mahogany. Leaves dark bronze, greenish bronze underneath. Each $1.50.

MRS. GEO. H. PRING. Day blooming. Immense pure white flowers, ten to thirteen inches in diameter, extremely fragrant and most prolific in bloom throughout the season. Stamens golden yellow and tipped white. Young leaves are blotched brown while the older ones are plain green. The plant produces equally well in scant quarters, the flowers and foliage alone being affected. It is a pleasing contrast to the other lilies, far surpassing any other white tender lily for size, substance and beauty. Each $3.00.

One each of above three beautiful lilies, value $7.00, will be sent postpaid 300 miles from Chicago for $5.00.

Hardy Water Lilies

ATTRACTION. One of the finest of recent French introductions, and among the largest hardy lilies in cultivation, the flowers measuring eight inches in diameter. On first opening, the flowers are garnet red, petals tipped with rose flecked white, with almost white sepals and long yellow stamens, lightly touched with mahogany. As the flower reaches maturity, the color deepens until the flowers become dark red and the sepals streaked with garnet. The flowers are readily distinguishable on the water, being so bright and attractive. One of the two best red water lilies Each $7.50.

COMANCHE. Large flowers of a rich apricot color on opening, becoming a dark, coppery-orange, streaked with glowing red as the flower ages. It is one of the changeable types and one of the most popular. Orange stamens; attractive foliage olive green flaked with brown. One of the best lilies of recent introductions. Prolific bloomer, blossoms standing well above the water surface like the tropical nymphaea. Each $5.00.

GLADSTONIANA. Is a fine lily of beautiful form and strong, robust growth. The large compact dazzling white cup-shaped flowers, petals concave and broad, with golden yellow stamens, blooms freely. Leaves are dark green, the leaf stalks being striped brown. Should be allowed plenty of room. Each $1.50.

GLORIOSA. A truly magnificent variety with fragrant flowers from six to seven inches across, of beautiful form, which float on the water. They are a deep carmine rose color, becoming deep red with age, double and perfect form. The plant is very free in flower, blooming continuously throughout the season. The fine qualities of this flower make it excellent for cut flowers, for it continues to open for about five days when floated in a bowl. The lovely blossoms of these lilies and the plant's small leaf spread make it very desirable for tub, pool or lake planting. Each $5.00.

PINK OPAL. Exquisite deep, rich pink. Flowers of interesting form with comparatively short petals carried above the water. Bright yellow stamens. It presents an appearance quite unique and decidedly attractive. Splendid for tubs. Excellent as a cut flower. Each $2.00.

RENE GERARD. Decidedly new and distinct lily with enormous blossoms 10 in. across with numerous petals, wide at the base, curling at the edges and tapering to waxy points. Myriads of tiny crimson flecks on a white background produce an exquisite blend of deep old rose. This prolific blooming, truly unusual lily is a recent introduction from L'Etablissements Latour Marliac, Temple-sur-Lot, France. Each $15.00.

ROSE AREY. The bright cerise flowers of iridescent hue are very large, up to eight inches in diameter, very sweetly scented with pointed petals, giving effect of darker shadings near the edges. Long bright yellow stamens. Free flowering and of strong growth. This lily is of exceptional beauty, being awarded the silver medal by the New York Horticultural Society. Each $3.00.

SOUV. DE JULES JACQUIER. Immense, deep rose pink, basin-shaped blooms, 8 to 9 inches in diameter, with a heart of clustering mahogany-colored stamens. This most perfect modern flower is one of the most prolific bloomers. The buds are very large and round, almost the size of a tennis ball. The leaves are distinct, the veins incised, the margins waved. Each $25.00.

SUNRISE. The name typifies this exceedingly beautiful, fragrant, yellow lily with long, narrow petals standing at various angles, their curved sides and crinkled tips giving the appearance of a giant chrysanthemum. One of the largest lilies, the enormous flowers 9 in. across and earliest to bloom, are a clear yellow, stamens golden lemon, buds olive brown with salmon flush, while the egg-shaped leaves are deep green on top and red flecked below. Each $8.50.

NELUMBIUMS OR LOTUS

LUTEUM. (American Lotus, Water Chinquapin). A magnificent variety, yellow flowers, originating in the western and southern states. Each $2.00.

SPECIOSUM (Egyptian Lotus). Very easily grown; produces a subtropical effect. Deep rose with creamy white at base of petals. Each $2.00.

CHINESE RED LOTUS (Pekinensis Rubrum Plenum). Large, magnificent, extremely double, bright rosy carmine flowers borne on sturdy stems well above the foliage. Free in blossom and growth. Most exquisitely magnificent of all Lotus. Each $3.50.

NIGHT-BLOOMING TENDER LILIES

Flowers open from 5 to 6 P. M. and remain open all night, usually closing the middle of the following morning; sometimes remaining open all day if cloudy weather.

BISSETTI. Exquisite rose pink flowers of beautiful form, measuring eight to ten inches across; petals being extra wide, slightly concave, forming a cup-shaped bloom; stamens deep orange. Leaves bronzy green Plant is free flowering and vigorous in growth Each $2 00

DEANIANA. The large cup-shaped flowers are light, clear pink. Deep rose sepals and petals very wide. Stamens deep orange red Foliage dark bronzy green Each $1 50

DENTATA SUPERBA. A very desirable variety with beautiful glistening pure white flowers, eight to twelve inches across; yellow stamens without any traces of purplish markings Sepals green with greenish white stripes on outside, inner side white. Leaves glossy green Free flowering Each $3.00.

O MARANA Large, compact flowers of deepest rosy red, with a faint tinge of white down the center of the petals Stamens deep orange; dentated leaves of bronzy green Each $1 50.

DAY-BLOOMING TENDER NYMPHAEAS

MRS. C. W. WARD. Flowers deep rosy pink, almost red, of the Gracilis type, measuring eight to ten inches across. Stamens golden yellow, tipped with pink. This lily is more hardy than other tender nymphaeas, blooms freely and is very desirable. Each $2.00.

MRS. EDWARD WHITAKER. Very large lavender blue, getting paler as flower opens. Flowers often measure twelve inches in diameter and are produced in quantity, lasting on the plant for several days. Petals slightly rounded at tips and are quite numerous. Round, green leaves mottled and streaked with dark red. One of the most remarkable features of this lily is that the flower opens about 6:30 A. M., not closing until about 7:30 P. M. Very adaptable, thriving and blooming whether the roots are confined to three inch pots or large boxes. Unexcelled for a light-blue. Each $3.00.

MRS. ROBERT SAWYER. The first pink lily of viviparous type, all others being blue. Immense, full petaled, deep pink flowers, of great beauty, with hundreds of stamens in center. Petals are long, rather wide at center, tapering to a point and of great substance. This is an interesting variety as the young plants develop at the junction of the leaf petiole and the leaf; these little plants grow, and produce large buds and flowers when the tiny leaf plants have scarcely unfolded their leaves. Free flowering and vigorous in growth. Each $10.00.

ZANZIBARIENSIS. The true royal purple water lily of Africa, measuring five to ten inches in diameter, sepals green on outside, purplish blue on inner side. Many stamens dark crimson violet. Fragrant, extremely free in flower and growth. Each $3.00.

Lilies for Spring Planting

To Blossom in Late Summer when the Garden Needs Their Glory

LILIUM Auratum

HARDY lily bulbs, carried over the winter in cold storage, may be planted in the spring, and will blossom in midsummer, when the garden needs their glory.

See that the bulbs have a well-drained place, preferably in partial shade. Such places can usually be found around the shrub borders, and in the hardy plant border. Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies and enrich it with bone meal. Plant the bulbs 4 to 6 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs.

LILIUM Rubrum

Lilium Regale

A magnificent lily from China, vigorous, 3 to 5 feet high, bearing several handsome white fragrant flowers; slightly shaded pink outside and the lower inner surface primrose-yellow. One of the finest novelties offered in many years. It seems to thrive on any good, well-drained soil.

Bulbs—4-inch. Each, **40c, prepaid**; 3 for **$1.10**; doz., **$4.00, prepaid.**
Bulbs—6-inch. Each, **75c**; 3 for **$2.00, prepaid**; doz., **$8.00, prepaid.**

Lilium Candidum (Madonna Lily)

For Shipment in Late July

Best results are obtained with this lily when it is planted during late July and August. Carries three to twenty snow-white flowers, delightfully fragrant in June. Price, each, **30c**; dozen **$3.25**, prepaid.

Lilium Auratum

The Gold-Banded Lily of Japan—The most beautiful variety of all the lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. Its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 in.), each, **45c**; doz., **$4.50, prepaid**; 100, **$35.00.**
Mammoth (9 to 11 in.), each, **60c**; doz., **$6.00, prepaid**; 100, **$45.00.**
Jumbo (11 to 12 in.), each, **$1.00**; doz., **$9.00, prepaid**; 100, **$60.00.**

Lilium Auratum Platyphyllum

(Macranthum)

The flowers are similar in color to Auratum, heavily spotted, but much larger the petals more overlapping, and of greater substance.

First Size (8 to 9 in.), each, **50c**; doz., **$5.50, prepaid.**
Mammoth (9 to 11 in.), each, **75c**; doz., **$7.50, prepaid.**

Lilium Auratum Pictum

The flowers are large, pure white in color, with the usual yellow band in the center of each petal, but in this novelty the tip of this band is splashed with red, while red dots replace the usual brown ones of the type. Plant six to eight inhces deep.

Each, **75c**; doz., **$7.50, prepaid.**

Lilium Speciosum Rubrum

The Lance-Leaved Lily—Thousands being grown each year in greenhouses. The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late Aug. and early Sept. bloomer. Plant the bulbs eight to ten inches deep.

First Size, (8-9), each, **45c**; dozen, **$4.50**; 100, **$35.00.**
Mammoth Size (9-11), each, **60c**; dozen, **$6.00**; 100, **$45.00.**
Jumbo Size (11-13), each **$1.00**; dozen, **$9.00**; 100, **$60.00.**

Lilium Speciosum Album

A pure white form of the above.

First Size (8-9), each, **60c**; dozen, **$6.00**; 100, **$45.00.**

LILIUM Canadense

LILIUM Regale

Lily of the Valley (Convallaria Majalis)

Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost.

Price, each, 65c, prepaid; 3 for **$1.75, prepaid.**

Lilium Tenuifolium

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. Blooms very early. Each, **30c**; doz., **$3.00, prepaid.**

Various Hardy Lilies

"Each" and "Dozen" Prices Include Postage

Canadense Mixed (Meadow Lily)—Gracefully drooping, bell-shaped, red and yellow flowers during June and July, attaining the height of two to five feet. Each, **20c**; 3 for **50c**; doz., **$2.00.**

Croceum (Orange Lily)—A beautiful, cup-shaped lily from the Alpine Mountains where it grows wild in the pasturelands. The flowers are three to four inches in diameter, bright orange, spotted purplish black in center, with red anthers. It is a handsome, showy, vigorous, long-lived lily which thrives even in our smoky cities. It grows three to six feet high and blooms in June and July. Each, **50c**; doz., **$5.00**; 100, **$35.00.**

Lilium Elegans Mixed—A beautiful group of Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. The cup-shaped flowers range through the reds and yellows. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rockgardens. Each, **25c**; 3 for **70c**; Dozen, **$2.50.**

Lilium Hansoni—The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, **50c**; per three, **$1.40**; dozen, **$5.50.**

Lilium Henryi—A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, longlived, growing in almost any soil and situation, although it requires good drainage. Each, **60**; dozen, **$6.50.**

Lilium Longiflorum (Outdoor Easter Lily)—Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature during the winter. Each, **50c**; per three, **$1.25**; per dozen, **$4.50.**

Monadelphum Szovitzianum—Growing to a height of four to six feet, the stout stems carry up to thirty flowers, forming pyramidal-shaped clusters. The flowers are drooping, the petals are neatly recurved, varying in color from straw to deep yellow, spotted with black. This lily usually makes a poor showing the first season, barely pushing through the ground, but flowers very freely the following season. Each, **75c**; per three, **$2.00**; per dozen, **$7.50.**

Martagon (European Turk's Cap)—A hardy, robust lily coming from the land of the Tango. It attains the height of three feet, often carrying twenty to thirty purple flowers spotted purplish black. Each, **40c**; doz., **$4.00.**

Pardalinum (Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. One to thirty flowers on a 3-6 foot stem. Each, **30c**; doz., **$3.00.**

Superbum (American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. Height 3-8 feet. Each, **25c**; 3 for **70c**; doz., **$2.50.**

Tigrinum Flore Pleno (Double Tiger Lily)—Probably the only desirable double-flowered lily in cultivation. Color and habit same as that of Tigrinum Splendens. Each, **20c**; 3 for **50c**; doz., **$2.00.**

Tigrinum Splendens (Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems.. Each, **20c**; 3 for **50c**; doz., **$2.00.**

Umbellatum Dauricum (Candlestick Lily)—A lily of easy culture with three to five flowers ranging from deepest red through all shades of crimson, rose, yellow, buff and apricot. In June. Height 2 to 3 feet. Each, **25c**; 3 for **70c**; doz., **$2.50.**

Umbellatum Erectum—Although the Umbellatum class through years of hybridation contains innumerable named varieties, at present we deem only one, Erectum, deserving a place in the garden. The flowers are blood-red, and slightly or not at all spotted. Each, **40c**; doz., **$4.00.**

NEWER VEGETABLES

Improved Types and Novelties for Up-to-date Gardeners

ON this page we list some of the outstanding new or special strains of vegetables of more recent introduction. Each year we gather from the world over such varieties as seem to be new, and grow them in our trial grounds to test their merits and adaptability to American conditions. After trial growing and table tests, we can recommend these varieties to our customers.

VAUGHAN'S EARLIEST SWEET CORN

Asparagus Chicory—This is a favorite in Italy and has been grown successfully in our trials. A member of the chicory family, it is cultivated for its fresh green shoots which are boiled in salt water and served hot, or in cold salad. They are tender and suggest the flavor of asparagus. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 25c; ½ oz., 50c; oz., 75c.

Bean, Monster Stringless Green Pod—This is a giant green bean. The pods are round, very long, and stringless. The vines are tall, strong-growing, and prolific. Seeds are large and black. An outstanding variety. Pkt., 15c; ½ lb., 35c; lb., 65c.

Bean, Vaughan's Monster Stringless Wax—This variety has no superior as to quality and flavor. It is so stringless and tender (without any linen in the pod) that it can be used on the table up to the time the bean is almost ripe. It is a light yellow, and in size it is the largest of all Bush Beans; about half an inch thick and 5 to 8 inches in length. It is early and matures its beans evenly and well together. Pkt., 15c; ½l b., 35c; lb., 60c.

Broccoli, Italian Green Sprouting—A plant of the cauliflower family which, after the first head has been harvested produces branching sprouts on which are small loose heads, two inches in diameter, which are cooked like cauliflower. The flavor is delicate and delicious.

Pkt., 25c; ½ oz., 75c; oz., $1.25; ¼ lb., $4.00.

Carrot—Red Core Chantenay—A true Chantenay but has a red core. Color nearly same throughout; making it appear to be coreless. Very tender, excellent flavor. Pkt., 15c; oz., 30c; ¼lb., 75c.

BROCCOLI, ITALIAN GREEN SPROUTING

Marrow, New Italian—When matured it is 2 feet long, 3 to 4 inches in diameter and very dark green. A bush type and very productive. There is nothing better for slicing in its early growth and if kept picked, will continue to bear until frost. A variety once tried will become a favorite in the home garden. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Sweet Potato Squash—A valuable addition to the list of small squashes which are becoming so popular a feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen and of exceptionally fine flavor. The fruits average 6 to 8 in. long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. Pkt., 15c; oz., 35c; ¼ lb., 75c; lb., $2.50.

Radish, Giant Butter—This is by far the largest of the early turnip radishes exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine, round shape. In color it is vivid scarlet. It is further characterized by ability to stand for an unusually long period without becoming pithy and is highly recommended for home gardens. Can be planted successfully throughout the summer. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.40.

Squash, Banana—One of the finest fall and winter squash. Of sweet potato quality, free from stringiness. Not hard as Hubbard to prepare but as good or better quality. 12 inches long, 6 inches in diameter, tapering at either end. Grey green color, Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.

CARROT, RED CORE CHANTENAY

Celery Cabbage or Chinese Pe Tsai—The VAUGHAN Strain. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away the cabbage presents a well nigh irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time. Pkt., 10c; oz., 60c; ¼ lb., $2.00.

Cabbages, Yellows Disease Resistant—We list on Page 17, proved varieties of disease resistant cabbages, which have become so important to sections in which the cabbage yellows disease is prevalent. No claim is made of freedom or immunity from other diseases, such as clubfoot, stem rot or black rot. We offer only varieties which have been tested in the diseased cabbage fields of Wisconsin and found to be 80% to 90% resistant.

Celery—Golden Phenomenal—A new celery having the growing characteristics of Golden Plume. Taller growing longer to the first leaf and heavier stalk. Free from any strings, fine flavor and excellent quality. Pkt., 50c; ½ oz., $3.50; oz., $6.00.

Cucumber—"The Vaughan"—This is as much in advance over the Davis Perfect variety as the "Davis" was over the old extra Long White Spine sorts. Compared to the other (Long White Spine varieties) it is much darker in color, more uniform in shape and size thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. J. C. Robinson of Waterloo, Nebraska, writes: "We have tried the Vaughan Cucumber out for two years in our trials. It certainly will displace most other kinds, in our opinion." Pkt., 15c; oz., 40c; ¼ lb., $1.25; lb., $4.50.

Pepper, California Wonder—A mild, sweet, midseason variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has an extremely thick flesh which that variety does not; crimson fruit. Pkt., 20c; oz., $1.00; ¼ lb., $3.50.

New Spinach—Florida Broad Leaved Mustard—One of the best mustard greens having medium smooth leaves about 10 inches long by 6 inches wide and of upright growth. Easily prepared for cooking and has mild mustard flavor. Pkt., 15c; oz., 20c; ¼ lb., 50c; lb., $1.25.

Tomato, New King—This striking variety was originated in the Chicago district and is the largest tomato that we know of. It is about the season of Ponderosa, but grows to nearly twice the size. Ripens uniformally from core to outer skin. These features make it an excellent addition to the home garden. Pkt., 25c.

Tomato, Vaughan's American Beauty—An exceptionally fine tomato bred by Mr. W. E. Vail of Yorktown Heights, N. Y. This is globe shaped, purple color and an excellent producer. Good for the home or market. Pkt., 25c; ½ oz., 60c; oz., $1.00.

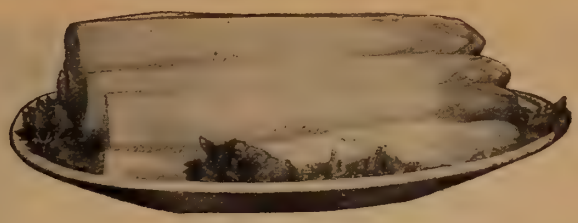
Tomatoes, Wilt Resistant—In sections where fungous and bacterial diseases are prevalent in this crop, resistant varieties should be chosen to insure a normal yield.

MARGLOBE—A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, it produces large, smooth, meaty, globular, red fruits, which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first-class pulp. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00.

CELERY, GOLDEN PHENOMENAL

ASPARAGUS

A Bed Lasts a Lifetime



BONVALLET'S GIANT

Health Value of Fresh Picked Asparagus

Calories per lb. 100. Vitamines, A, B, C, D.

		Minerals:			
Proteins	1.8 %	Calcium	.025%	Chlorine	.039%
Fats	.2 %	Magnesium	.011%	Sulphur	.041%
Carbohydrates	.33%	Potassium	.196%	Iron	.001%
		Sodium	.007%		

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

ROOT PLANTING—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

WHITE ASPARAGUS. White Asparagus may be grown from the same variety as green. It is merely a method of growing. The roots are set deeper and the stalks are cut underneath the ground before exposure to the light has turned them green.

Washington Rust Resistant Strain. Developed by the experts of the United States Department of Agriculture. We offer seeds or plants grown on our Michigan farms from seed sent us by the United States Department of Agriculture. Rustproof plants are being generally accepted by commercial growers, since the differences between varieties of asparagus are not great, given the same soil and cultivation. Assurance of freedom from disease is of such importance as to predominate in the selection of planting stock. The most satisfactory strain for amateurs and with most commercial growers is MARY WASHINGTON.

MARY WASHINGTON stock is so far the most satisfactory of the two strains. It is the result of a single cross. Pkt., 15c; oz., 35c; ¼lb., 90c; lb., $3.00.

WASHINGTON stock is the result of crosses from a single male plant "Washington" with selected female plants. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.50.

Bonvallet's Giant. Equally good, grown white or green. Bonvallet's Giant is favored on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Our strain has been improved each year by careful re-selection. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Early Giant Argenteuil. Famous Parisian Asparagus. Grows to large size, vigorous and fairly free from rust, superb flavor. Our seed is from one of the largest plantations near Paris. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

PALMETTO. Standard light green. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

CONOVER'S COLOSSAL. A large, fast-growing variety. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Asparagus Roots.

	1-Year Old			2-Years Old		
	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant	$0.40	$2.00	$12.00	$0.60	$3.00	$17.00
Argenteuil (Giant)	.40	2.00	12.00	.60	3.00	17.00
Palmetto	.40	2.00	12.00	.60	3.00	17.00
Mary Washington	.60	3.00	17.00	.85	4.00	30.00

If by mail add postage as follows..... Doz., 5c; 100, 35c. Doz. 8c; 100, 50c

Artichoke

The Artichoke is grown for its edible blossoms. It is a perennial but requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

GREEN GLOBE. Perennial, large-flowering heads of exquisite and unique flavor. A prized delicacy of rapidly growing popularity. Matures second year; not hardy in the North. Pkt., 10c; oz. 75c.

JERUSALEM ARTICHOKE ROOTS. Best hog food known. Easily grown. Three bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. It grows in a wild form in the United States. Lb., 25c; 3 lbs., 65c; 10 lbs., $1.50. Write for quantity prices.

LIMA BEANS

A Table Delicacy Vitamines A, B, C, D.

New Wonder Bush Lima. The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes Vaughan's Strain of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds.
Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.25.

Fordhook Bush Lima Bean. The highest quality Bush Lima Bean, it is the old "Potato" or "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this new Fordhook is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00; 10 lbs., $4.50.

Improved Bush Lima—Burpee's. This improved Burpee's has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction to patrons. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.50.

BUSH LIMA — HENDERSON'S. Crop reliable, very productive, compact form, free from mildew. One of the first Lima beans to mature. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.

1 and 2-lb. lots of Beans are prepaid; 10-lb. lots by express or freight at buyer's expense.

NEW WONDER BUSH LIMA

BUSH LIMA—BURPEE'S. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds; thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.25.

FORD'S MAMMOTH. Pods grow in large clusters and contain from 5 to 7 good beans; edible, green or dry. Pkt., 10c; lb., 40c; 2 lbs. 75c; 10 lbs., $3.00.

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. Many, however, consider the Tall Lima the best flavored of all beans.

Carpinteria Pole Lima. While the seed retains its distinctively green color, it is as prolific as any white lima; the vines are vigorous, bearing quantities of pods, each containing usually four beans. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.25.

Early Leviathan. Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together.
Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

Siebert's Early Lima. Hardy, early and an enormous producer, a grand variety for Northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans.
Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.

CARPINTERIA—GREEN SEED LIMA

LARGE GREEN SEEDED POLE LIMA. It produces beans equal to any of the so-called "giants," and whose greenish tinge adds much to their appearance over the pure white color of the other sorts. Season medium, pods 9 to 10 inches in length, containing an average of 5 to 6 beans. Pkt., 10c; ½-lb. 25c; lb., 45c; 10 lbs., $3.25.

EXTRA EARLY JERSEY LIMA. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.25.

KING OF THE GARDEN. A climber that blooms and produces to end of season. Uniform pods 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.25.

LARGE LIMA. Very attractive. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

CHALLENGER OR DREER'S IMPROVED. Thick pods, good size and flavor. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

IDEAL POLE LIMA. Excepting only "Carpinteria," this is best for market in Central States and where main crop can mature. Pods are large, some 8 inches long. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

IMPROVED GOLDEN WAX

BEANS, WAX

Improved Golden Wax. A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety.
Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

Sure Crop Wax. BLACK SEED—An extra early, perfectly stringless flat Wax Bean. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

New Kidney Wax. A flat, long-podded, beautiful wax bean, perfectly stringless and of the highest eating quality. Round-podded wax beans have generally been regarded as of better quality than the flat sorts; here is a flat-podded bean, however, with all that can be desired as regards appearance, tenderness and flavor. In addition to these features the New Kidney Wax is a robust grower and a splendid yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height.
Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00.

Wax Podded Bush Beans

BEANS are very tender. The seeds must be sown where they are to grow, when frost has ended and the ground is warm. The bush varieties are much earlier than the pole beans and are usually the main crop in Northern gardens, and in home gardens where space is limited. Sow in rows about fifteen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods, and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

For the Home Garden—We recommend Wardwell's Kidney Wax, Improved Golden Wax and Round Pod Kidney Wax. The home gardener will find his bean crop one of the most productive in food values. If the plants are kept picked clean they will bear a long time and a second crop will come in late summer continuing through the fall. If space is limited, however, it is better to plant for a succession crop, as the first crop is much the heaviest.

Wardwell's Kidney Wax. In Western prairie soil this sort is at its best, and gives most gratifying results. The pods are 7 inches long, flat, brittle, stringless, straight, finely shaped, beautiful yellow, distinct and attractive.
Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00; 10 lbs., $4.00.

A Field of Bountiful Beans on Vaughan's Michigan Farms

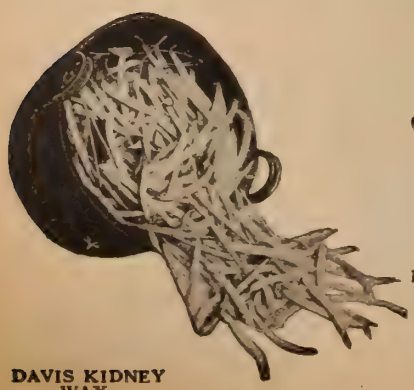
Pencil Pod Black Wax. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

Round Pod Kidney Wax. Is early, of vigorous growth with heavy yielding vines; pods are long, round and entirely stringless; have fine flavor.
Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00; 10 lbs., $4.00.

Monster Stringless Wax. See Novelty Page 10. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00.

Stringless White Wax (New). Earlier than Davis with a longer pod and entirely stringless, perfectly straight and excellent quality. The bean itself is a clear white about the size of Davis and can be used in a dry stage if necessary. This is very productive and fine quality. Pkt., 15c; ½ lb., 35c; lb., 60c; 2lbs., $1.00.

Davis Kidney Wax. Vines vigorous and very prolific, bear handsome, waxy white pods 7 inches long; the finest appearing of all early wax beans. They should be used while young, when free from strings. Pkt., 10c; lb. 50c; 2 lbs., 90c; 10 lbs., $3.75.



DAVIS KIDNEY WAX

CURRIE'S GOLDEN WAX. Early, hardy, nearly rust-proof. Long, golden yellow pods, crisp and tender. The seed is black. The much-planted sort.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

HODSON WAX. The greatest yielder of garden varieties. Season medium early, vines bear a mass of long, straight pods, resembling the Davis Wax.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

Vaughan's Specials

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

THERE ARE NONE BETTER

UNRIVALED WAX. A robust grower, ready in 65 days, slightly flattened pods, high quality. Pkt., 10c; lb., 60c; 2 lbs., $1.00; 10 lbs., $4.00.

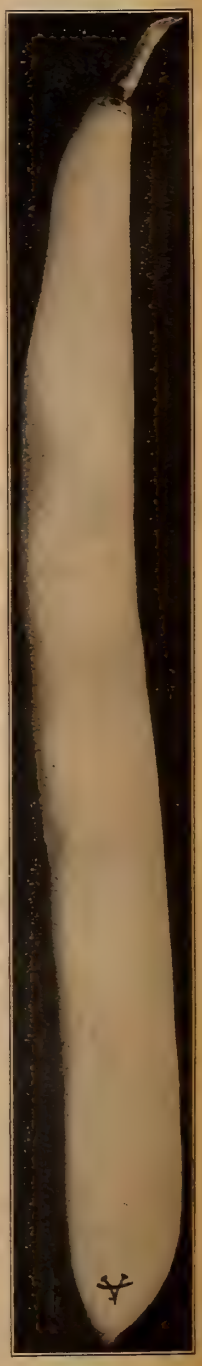
WEBBER WAX. A Bean of the same season and utility as Wardwell's Wax and Davis Kidney Wax. The pod is long, handsome, bright yellow in color. Seed yellow. Hardier and more prolific than Wardwell's.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

PROLIFIC BLACK WAX. Very early; prolific; long pod.
Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.50.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charge on larger lots see page 112.



WARDWELL'S WAX

AND GREEN

VAUGHAN'S BOUNTIFUL STRINGLESS

Health Value of Fresh Picked Beans

Calories per lb., 184. Vitamines A, B, C, D.

		Minerals			
Proteins	2.3%	Calcium	.046%	Chlorine	.024%
Fats	.3%	Magnesium	.025%	Sulphur	.030%
Carbohydrates	7.4%	Potassium	.247%	Iron	.0011%
		Sodium	.019%		

Green Pod Bush Type

WHETHER one grows Wax or Green Beans is a matter of taste. Tests have proved, as far as can be, that there is no difference in flavor, nor in tenderness; and they are both grown alike. The round-podded varieties are considered to be more brittle, while the flat-podded types are better yielders. Bountiful is a flat-podded variety of remarkable yielding qualities, while Stringless Green Pod and Giant Stringless Green Pod are examples of the round-podded type.

For the Home Garden—Bountiful, Stringless Green Pod, Improved Red Valentine and Stringless Refugee, for all of which we can supply seed grown on our own farms in Michigan.

Stringless Green Pod. The great leader in green pods for general purposes. It is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, free from strings or fiber; rich deep green color, very attractive and of excellent quality. For succession, plant every two weeks.
Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00; 10 lbs., $4.00.

Bountiful Stringless. This bean has a long flat pod instead of a round pod like the Stringless Green Pod variety. Bountiful, has wonderful quality; absolutely stringless, early and prolific.
Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00.

Giant Stringless Green Pod. An immense type of "Improved Early Valentine" and nearly as early. The pods have all the excellent qualities of the original with much greater size, which greatly improves the appearance. A splendid succession sort to Stringless Green Pod.
Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00; 10 lbs., $4.00.

Tennessee Green Pod. This is a second early green pod bean of merit, because of its excellent flavor and quality. The flat pods are extra long and irregular in shape; bright green in color.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

Improved Early Red Valentine. Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

Longfellow (Round Pod). Very handsome, nearly stringless, beautiful green pods, 7 to 8 inches long; straight and round; very prolific.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

Black Valentine. It is not as early as "Improved Red Valentine," the original strain from which this was developed and improved, but it is suited to both early and late planting; its hardiness overcomes light frost. The pods are a third longer than Red Valentine, and grow in clusters perfectly straight and round.
Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

Full Measure. A main crop variety of bush beans—a Stringless Round Green Pod Bean, and on account of quality and productiveness is growing in popularity each year.
Pkt., 10c; lb., 60c; 2 lbs., $1.00; 10 lbs., $4.00.

Great Northern. A little larger than the Navy Bean, it is hardier and under ordinary conditions a much heavier yielder. For cooking many give it preference, saying it cooks in a shorter time, is more tender and more digestible.
Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., $2.00.

REFUGEE OR 1000 TO 1. A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

MONSTER STRINGLESS. Green Pod. Pkt., 15c; ½ lb., 35c; lb., 65c. See Novelties.

Price per packet of following varieties, 10c., except where noted.

ENGLISH BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class. Lb., 45c; 2 lbs., 80c; 10 lbs., $3.25.

DWARF HORTICULTURAL. Late, heavy yielding. Flat green pods spotted with red. Lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

"ROBUST." Robust is a selection of the White Navy Bean introduced by the Michigan Agricultural College. In the College trials Robust has always outyielded other White Beans. It is especially adapted to the heavier soils. Lb., 30c; 2 lbs., 50c; 10 lbs., $2.00.

SUTTON'S MASTERPIECE. The best of the greenhouse forcing beans. The pods are flat like Bountiful but larger and thinner. Early in season and a heavy yielder. Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.75.

IMPROVED NAVY. Fine field sort. Lb., 30c; 2 lbs., 50c; 10 lbs., $2.00.

WHITE KIDNEY. Shell beans. Lb., 35c; 2 lbs., 60c; 10 lbs., $2.50.

RED KIDNEY. Lb., 35c; 2 lbs., 60c; 10 lbs., $2.50.

STRINGLESS REFUGEE GREEN POD. An entirely stringless type of the Refugee or 1000 to 1 variety. Late in season. Fine yielder. Lb., 60c; 2 lbs., $1.00.

WHITE MARROW. Good shell bean Lb., 35c; 2 lbs., 60c; 10 lbs., $2.50.

NOTICE—We offer beans and peas by the pound, instead of pints, etc. 1 lb. is a little more than 1 pint; 2 lbs. is a little more than 1 quart.

POLE BEANS

Later and More Prolific

POLE varieties are more tender than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about three to four feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest.

Kentucky Wonder or Old Homestead. Green pod. The old reliable Green Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddle-backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season.
Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.75.

Kentucky Wonder Wax. The best pole wax bean for Northern planting. It is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean. Pods are beautiful golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating.
Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.00.

Early Golden Cluster Wax. Long, stringless; fine quality; pods in clusters; pure white seeds.
Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.00.

White Creaseback. Early; long, round, green, stringless tender pods; white beans.
Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.85.

Burger's Stringless Green Pod. Small, white bean; good for baking; long-bearing vines.
Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.00.

Cut Short or Corn Hill. Much used in the South for planting among the corn. Yields well without poles. Short pods, flat to oval in shape; good quality. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.75.

LAZY WIFE. Good shell beans; long, thick, stringless pods. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.00

SCARLET RUNNER. Ornamental, bright red flowers. Good snap bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.50.

YARD LONG. Or French Asparagus Bean. A long curious bean something like a cow pea, with edible pods. Pkt., 15c; lb., 70c.

DUTCH CASEKNIFE. Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.75

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.00.

CROSBY'S EGYPTIAN
The Most Popular Early Beet

MANGELS

For Stock Feeding

Barres Sludstrup. Holds the world's record for dry matter content. This Mangel has been awarded the first-class certificates several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety in weight and in the feeding value. Our seed is from the best Danish growers.
Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

Vaughan's Mammoth Long Red. Largest and heaviest crop-per of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veined with pink. Grows well up above the ground.
Oz., 10c; ¼ lb., 25c; lb., 75c, prepaid; 5 lbs., by express, $3.25.

GIANT YELLOW ECKENDORF. One of the most popular European varieties; contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots, cylindrical in form, weigh 15 to 20 pounds each; the greater portion grows above ground. Easily harvested. Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

GIANT YELLOW INTERMEDIATE. Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

GOLDEN TANKARD. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious. Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

CHAMPION YELLOW GLOBE. Skin a rich yellow, flesh white and solid; grows two-thirds above ground hence the best for shallow soils. Good keeper. Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

GIANT ROSE HALF SUGAR. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

SUGAR BEETS—Fine for Stock

The kinds offered below are grown from roots the test analysis of which showed high sugar content. Prices of the following: Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., by express, $2.50.

VILMORIN'S IMPERIAL. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels.

KLEIN-WANZLEBEN. Wedge-shape, tapering to long tail.

LANE'S IMPROVED. Heavy yielder; flesh snow-white.

FRENCH RED TOP SUGAR. Famous in France for percentage of sugar.

Ardmore, Okla.
Vaughan's Seed Store, Chicago, Ill. 1101 C Street, N. W.

Last year I had my first real garden of flowers and ordered my seed from you. At the fair here last fall I took three first prizes; Zinnias were wonderful and the judges wanted to know where I got my seed. My garden gained wide recognition; as a result, you will receive several new orders from people here. You may even have orders from our local florists, as they bought my Zinnias last year. So many people have asked me for your address and I am always glad to direct them to you, for I have had exceptionally good luck with your seed.
MRS. KENNETH H. BAKER

BEETS

An All-Year Crop

Health Value of Fresh Picked Beets

Calories per lb., 209. Vitamines A, B, C, D.

		Minerals			
Proteins	1.6%	Calcium	.029%	Chlorine	.058%
Fats	.1%	Magnesium	.021%	Sulphur	.016%
Carbohydrates	9.7%	Potassium	.353%	Iron	.0006%
		Sulphur	.093%		

BEETS should be sown in drills in the garden as soon as the ground can be worked. Each "seed" is really a hard-shelled fruit cluster containing two or three small seeds. A moist seed bed is needed and the ground should be firmed well over the seed. Thinning out will be necessary, and the young beets and tops cooked together make one of the best dishes of the season. Thin to 5 inches apart for best results. The turnip varieties are earliest and most popular. The long or blood beets sown in May are harvested in the autumn for winter use. Early varieties sown in midsummer may be harvested in autumn and stored for winter. The home garden is not likely to be attacked by either insects or diseases which will injure beets. Swiss chard is a variety of beet grown for its leaves. See Page 35.

Home Garden Varieties—Crosby's Egyptian or Fireball for the early crop and Detroit Dark Red Turnip for main crop and late crop are recommended to home gardeners as providing the very finest table quality. Swiss Chard should be in every home garden.

Crosby's Egyptian. This is a beet famous both for shape, color and quality. Vaughan's strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities, has secured for this variety a wide and growing popularity, based solely on merit. Vaughan's Crosby Beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $1.75; by express, 5 lbs., $8.00.

STANDARD STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; by express, 5 lbs., $7.00.

Early Wonder. Different seedmen have so many varying ideas of what constitutes a Crosby Egyptian beet that we are listing this particular type now under the name "Early Wonder." The roots run a little deeper (more of a globe shape) than other types, and are deep blood-red in color, with almost no lighter zoning in the cross section of a root. Top small, but large enough for bunching, small tap root. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $1.75; by express, 5 lbs., $8.00.

Detroit Dark Red Turnip. A main crop variety unequaled as a big cropper. Perfect turnip-shape, small tap root, small upright tops — fine for market bunching. Skin and flesh dark, blood-red, sweet, tender and delicious.

VAUGHAN'S SELECTED STOCK—Pkt. 10c; oz., 25c; ¼ lb., 65c; lb., $1.75; by express, not prepaid, 5 lbs., $8.00.

STANDARD STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; by express, 5 lbs., $7.00.

Crimson Globe. Second early main crop. Is medium size, about 10 inches around, globe-shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood-red, sweet, tender and never stringy. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Vaughan's Fire Ball. It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting than sorts with larger tops. Vaughan's "Fire Ball" is very handsome and highly satisfactory for home use. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $1.75.

Edmand's Blood Turnip. One of the best, round, well formed, has only one tap root, flesh is deep blood-red, very sweet and tender. They do not grow large and coarse, and, having small tops, they can be planted closely.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25; by express, 5 lbs., $6.00.

Half-Long Blood. A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

Vaughan's Chicago Market. A main crop variety of great merit; is turnip-shaped, medium size, tops rather small, and has a fine tap root. The color is perfect dark blood-red; the leaves are dark glossy red, almost black; does not soon overgrow when left in the garden, and is a fine keeper. For the home garden this is a splendid variety. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $1.75.

LONG SMOOTH DARK BLOOD. Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

EARLY BLOOD TURNIP. Good color, large and smooth. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25; by express, 5 lbs., $5.75.

ECLIPSE. Roots globular, small tap root. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25, by express, 5 lbs., $6.00.

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25; by express, 5 lbs., $6.00.

OXHEART | DANVERS HALF LONG | IMPROVED LONG ORANGE | NANTES HALF LONG | EARLY CHANTENAY

DELICIOUS CARROTS

Sweet in Flavor, Rich in Health

Health Value of Fresh Picked Carrots

Calories per lb., 204. Vitamines A, B, C, D.

Minerals

Proteins	1.1%	Calcium	.056%	Chlorine	.036%
Fats	.4%	Magnesium	.021%	Sulphur	.022%
Carbohydrates	9.3%	Potassium	.287%	Iron	.0006%
		Sodium	.101%		

CARROTS are not alone one of the most wholesome of foods, supplying precious vitamines, but when half-grown are one of the greatest delicacies possible to place on the table. Persons who say they do not like carrots usually will be found never to have tried them young. The seeds are very slow to germinate and they should be marked in the row with radishes or some other quickly-maturing crop which will be harvested before the carrots crowd. Mellow soil which will not bake over the seeds and will not harden in midsummer is the kind carrots like. Plant in rows 18 to 24 inches apart and thin 3 to 4 inches apart.

Vaughan's Select Danvers. This is a very popular and universally planted carrot. It is two weeks later than Chantenay and the diameter of the root is slightly smaller. It is a half-long type, averaging five and one-half inches in length tapering to a blunt point. The color is a rich, deep orange, the table quality excellent, its yield greater per acre than any other.

DANVERS SELECT STOCK—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75; 5 lbs., $7.75.

HALF LONG DANVERS. Standard Stock. More pointed and slightly smaller than Select. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40; 5 lbs., $6.25.

Carrot Trials at Vaughan's Michigan Farms

Early Chantenay. This excellent variety is earlier than Danvers, being ready to use in sixty days after sowing. It is slightly shorter and more stump-rooted, averaging 4½ inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes, allowing the roots to reach full growth for winter storage.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.
SELECTED STOCK—Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Nantes Half Long Scarlet. For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. This is strongly recommended to home gardeners.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65; 5 lbs., $7.25.

Early Short Scarlet. (Dutch Horn.) Larger than French Horn and almost as early, stump-rooted, 1½ inches thick, three inches long; fine grain, sweet-flavored, rich orange.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

Very Early Scarlet Forcing. (French Horn.) Best variety for earliest forcing. Reddish orange-colored roots, nearly round. When matured they are about two inches in diameter. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.65.

Improved Long Orange. A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.50.

Guerande or Oxheart. Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has fine flavor and tenderness. A second early.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

Vaughan's Chicago Forcing. A FORCING STRAIN. Similar to Nantes Half Long; develops much earlier. Nearly cylindrical with blunt point, coreless. Excellent for the home garden.
Pkt., 15c; oz., 30c; ¼ lb., 80c; lb., $2.50.

Red Core Chantenay. See Novelty page 10. Pkt., 15c; oz., 30c; ¼ lb.,75c.

CARROTS FOR STOCK

Mastodon or White Intermediate. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.50.

LONG ORANGE BELGIAN. Good heavy cropper for light soils. Exceptionally fine keeper. Oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.50.

LONG WHITE BELGIAN. Similar to Long Orange except in color. Oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.50.

VERY EARLY SCARLET FORCING

CABBAGES,

Early, Late and

COPENHAGEN MARKET CABBAGE

Health Value of Fresh Picked Cabbage

Calories per lb., 143. Vitamines A, B, C, D.

		Minerals			
Proteins	1.6%	Calcium	.045%	Chlorine	.024%
Fats	.3%	Magnesium	.015%	Sulphur	.066%
Carbohydrates	5.6%	Potassium	.247%	Iron	.0011%
		Sodium	.027%		

THE earliest cabbages may be enjoyed in June from seeds sown in the house or in a hot-bed. Early Jersey Wakefield matures in 90 days, and later varieties in 100 to 115 days. Both early and late varieties should be started indoors, and for fall and winter cabbages the late varieties should be started in a seed bed in May. Savoy cabbages excel in table quality and are recommended for the home garden. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate of soda or some other nitrogenous fertilizer will work wonders. Cabbage worms may be kept off by dusting with Slug Shot or spraying with Pyrox or arsenate of lead.

Re-selected Copenhagen Market Extra Early. As the earliest of the larger heading cabbages Copenhagen Market is of the utmost importance to both home and market growers. Our re-selected early strain has been sold by us for seven years with remarkable results. Truck gardeners have reported that their entire crop from this seed has been marketed before Copenhagen heads from other seed were ready to cut. The product is uniformly early with few outside leaves. This strain is the result of years of work by a European breeder who we believe first bred and produced the Copenhagen Market.

RE-SELECTED TESTED STOCK. Pkt., 15c; ½ oz., 65c; oz., $1.00.

STANDARD STOCK. Pkt., 10c; ½ oz., 35c; oz., 55c; 2 oz., $1.00; ¼ lb., $1.75; lb., $6.00.

Vaughan's Select Early Jersey Wakefield. This extra early conical-shaped head cabbage is the best early for planting in the United States. Earliness and hard heading in this variety are most important to growers. Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farms we spare no expense. More seed of this sort is planted in the United States than of all other varieties of the same type together. The heads are hard, the outside leaves small, so that close planting is possible Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

EARLY JERSEY WAKEFIELD

Vaughan's All Seasons. This special Vaughan's Cabbage, although really an early is suited to every growing season. Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "Early Summer" with larger head. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

All Head Early or Faultless. Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. Pkt., 10c; oz., 30c; ¼ lb. 85c; lb., $3.00.

Early Flat Dutch. Sure solid header; weighs 10 to 12 pounds. Even size, matures with "Early Summer," a Second Early; it stands long without bursting. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

Early Summer (New York). The heads are round and flattened. Follows "Jersey Wakefield." The heads are of fair size, solid, quality good, has an attractive appearance, being tinged with a peculiar shade of blue. Pkt., 10c; oz. 30c; ¼ lb., 85c; lb., $3.00.

RED CABBAGE

Haco, Earliest Round Red (New). This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs. each. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

DANISH RED STONE HEAD. Hard, round, ball-shaped heads, very compact and keep well. Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $4.00.

MAMMOTH ROCK RED. A sure header of good red color to the center. Pkt., 10c; oz., 40c; ¼ lb., $1.25.

RED DRUMHEAD. Pkt., 10c; oz., 35c; ¼ lb., $1.15.

VAUGHAN'S BLACK DIAMOND. A new second season black-red variety. Pkt., 10c; oz., 35c; ¼ lb., $1.15.

DARK RED DUTCH. Pkt., 10c; oz., 35c; ¼ lb., $1.15.

New Cabbage—Golden Acre. This is a very good selection of the Copenhagen Market type with heads smaller than our re-selected strain. The season is a trifle earlier. Very uniform Pkt., 15c; ½ oz., 65c; oz., $1.00.

Charleston Wakefield. This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. Pkt., 10c; oz., 35c; 2 oz., 60c; ¼ lb., $1.00; lb., $3.50.

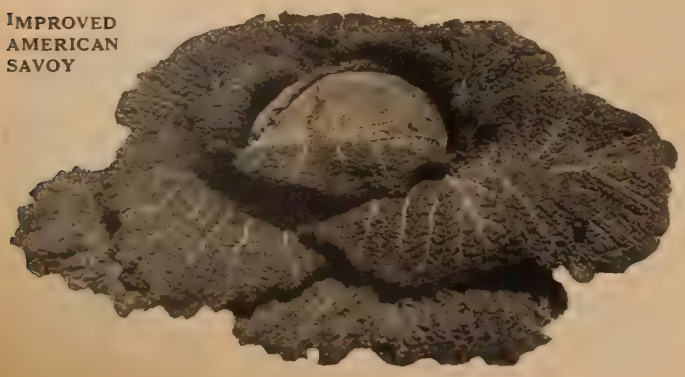
EXTRA EARLY EXPRESS—An oval head, large—thicker and less pointed than Jersey Wakefield; matures a short time later. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

SUCCESSION. Heads large, flatter than "Early Summer," two weeks later, but more uniform. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

GLORY OF ENKHOUSEN. An early, globe-shape, medium size, sure heading and a splendid keeper. Matures right after Copenhagen Market. More uniform and more even maturing than Copenhagen. Originator's stock. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75; lb., $6.00.

IMPROVED AMERICAN SAVOY



SAVOY CABBAGES

IRON HEAD SAVOY. Best of the early sorts. Round head, large and solid. Quality excellent. Pkt., 10c; oz., 30c; ¼ lb., 85c.

MARVIN'S SAVOY. A large solid head, very early. Pkt., 10c; oz., 30c; ¼ lb., 85c.

IMPROVED AMERICAN. Standard main crop sort. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Vaughan's Seed Store:

Last year I bought 1 oz. of Penn. State Danish Ballhead cabbage seed and I sold eighty dollars ($80.00) worth at one cent a pound, also put over a thousand heads in my cellar. MRS SETCHELL

ALL TYPES

Disease Resistant

Danish Ballhead, Tall. From Amager Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. It has a perfectly solid head, unequaled keeping and shipping qualities, correct market size, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained, leaves deliciously tender.

VAUGHAN'S SELECTED STOCK. Pkt., 10c; ½ oz., 35c; oz., 50c; ¼ lb., $1.60; lb., $5.50.

Dutch Winter or Hollander. Excels as a "late spring" seller. The heads averaging about 8 pounds, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall.
Pkt., 10c; ½ oz., 35c; 1 oz., 60c; ¼ lb., $1.60; lb., $5.50.
SELECTED STOCK. Pkt., 25c; oz., $1.50; ¼ lb., $5.00.

Dwarf Amager, or Short-Stemmed Danish Ballhead. This variety is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amager Island, Denmark; and we supply one-year-old, proven stock, if wanted.
Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.60; lb., $5.50.

Vaughan's Premium Late Flat Dutch. Of the Flathead varieties this large-heading sort is the most popular. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz. 30c; ¼ lb., 85c; lb., $3.00.

Bridgeport Drumhead. The best Large Fall Shipping Cabbage in existence. We introduced this variety over thirty years ago. The original type has been kept up and improved to a high degree of perfection. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

Penn State Ballhead. A very heavy yielding strain of the short stem type of Danish Ballhead bred and introduced by Dr. Myers of Pennsylvania State College. Yields as high as twenty-six tons per acre have been recorded. Pkt., 10c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.

LARGE LATE AMERICAN DRUMHEAD; A selected strain in this Standard Winter Cabbage. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

VAUGHAN'S SURE HEAD. This is a large round flatheaded variety, uniform size and weighing 10 to 15 pounds each. Pkt. 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

Celery Cabbage or Chinese Pe Tsai. See Novelty page. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00; lb., $7.00.

Celery Cabbage "Paoting" Genuine "WONG BOK" type. We have obtained from our Chinese growers seeds of this new variety of the Wong-Bok type of Chinese cabbage which differs from the Pe Tsai type in being shorter and thicker. Will mature firm heads thru the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. In crispness and tenderness it resembles the Pe Tsai and has the same fine, celery flavor. It is the largest of the Chinese cabbages and is probably the safest variety for an amateur to plant in the spring. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25.

THE CHINESE PE TSAI
THE VAUGHAN STRAIN

Cabbage Yellows Disease Resistant. The loss and destruction of large acreages of cabbage by the disease called yellows in the commercial growing sections of Southern Wisconsin caused an investigation by the plant pathologists of the University of Wisconsin. No claim is made of freedom or immunity from other diseases, such as clubfoot, stem rot or black rot. We list varieties in order of maturity and offer only stocks that have been tested in the diseased cabbage fields of Wisconsin and found to be 80 to 98% yellows resistant. Special prices on quantities to Market Gardeners.

WISCONSIN COPENHAGEN—Crop failure.

WISCONSIN GLOBE. A yellows-resistant strain of Glory of Enkhousen, yielding as heavily and being of same type as Glory. It is so near like yellows-resistant Copenhagen that it may be used in its place. Pkt., 25c; oz., $1.50; ¼ lb., $5.00.

WISCONSIN ALL HEAD. A yellows-resistant strain of the best early Flat headed variety. Good for kraut, market and home use. Pkt., 15c; ½ oz., 65c; oz., $1.00; ¼ lb., $3.25.

WISCONSIN ALL SEASONS YELLOWS RESISTANT. An early or kraut variety, a selection from the standard All Seasons second early variety. The large kraut growers of the United States now plant this variety almost exclusively. Originated by Prof. L. R. Jones, U. of W. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb. $3 00.

BUGNER. A winter variety bred yellow-resistant by means of continual selection on yellows soil near Chicago. Pkt., 15c; ½ oz., 50c; oz. 85c; ¼ lb., $3.00.

WISCONSIN NO. 9. Selected from short-stem type of Dutch Winter Cabbage, about a week earlier than Wisconsin No. 8, Wisconsin-grown. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., $2.75.

WISCONSIN NO. 8. A late winter keeping cabbage selected from the Dutch Winter or Hollander variety. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50

RED CABBAGE DISEASE RESISTANT. Main crop. Pkt., 20c; ½ oz., 75c; oz., $1.35.

CAULIFLOWER

Health Value of Fresh Picked Cauliflower

Calories per lb., 139. Vitamines A, B, C, D.

		Minerals			
Proteins	1.8%	Calcium	.123%	Chlorine	.050%
Fats	.5%	Magnesium	.014%	Sulphur	.086%
Carbohydrates	4.7%	Potassium	.222%	Iron	.0006%
		Sodium	.068%		

CAULIFLOWER is an exacting crop, yet success is easy where the conditions are right. Like radishes, this plant makes quick growth in cool weather. Start the first crop early in the house and transplant into rich, light soil, where plenty of water can be given. Cabbage worms may be killed by Slug Shot, Pyrox or arsenate of lead used before the heads begin to form. To bleach the heads tie up the leaves over them.

Vaughan's Select Snowball. This closely resembles New Snowball but has the additional features of more foliage for protection and is more uniform in heading. The seeds are about one-third smaller. Pkt., 25c; ¼ oz., $1.25; ½ oz., $2.00; oz., $3.50; ¼ lb., $12.00.

Vaughan's New Snowball. For early outdoor planting and forcing. A well-grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. It is dwarf in growth and earlier than any other sort. This strain is also extensively planted for late summer and fall market. Pkt., 25c; ¼ oz., 80c; ½ oz., $1.50; oz., $2.75; ¼ lb., $9.50.

Vaughan's Earliest Dwarf Erfurt. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Pkt., 25c; ¼ oz., 80c; ½ oz., $1.50; oz., $2.75; ¼ lb., $9.50.

Dry Weather Cauliflower. This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. It is a very sure header, heads larger than Snowball, and is snow-white, second early.
Pkt., 25c; ¼ oz., 80c; ½ oz., $1.50; oz., $2.75; ¼ lb., $9.50.

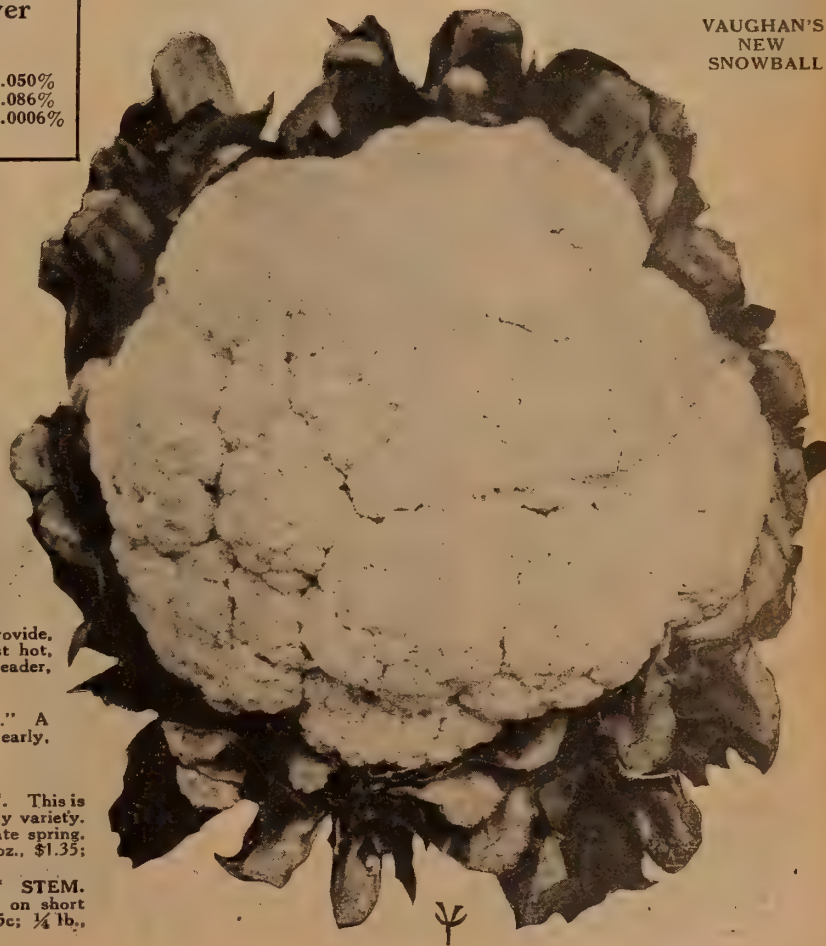
Danish Snowball. Later than Vaughan's "New Snowball." A splendid second early. Although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit.
Pkt., 25c; ¼ oz., 80c; ½ oz., $1.50; oz., $2.50; ¼ lb., $8.50.

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. Pkt., 25c; oz., $1.50; ¼ lb., $5.00.

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety. The very best sort for late spring. Pkt., 10c; ½ oz., 75c; oz., $1.35; ¼ lb., $4.75.

LENORMAND'S SHORT STEM. Bears large white heads on short stems. Pkt., 10c; oz., 85c; ¼ lb., $3.00.



VAUGHAN'S NEW SNOWBALL

MAMMOTH WHITE CORY

SWEET CORN FOR

A Crop for the Grower

Vaughan's Mammoth White Cory. The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—Earliness, Size, Sweetness. Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. One of the earliest; the ears are as long with two to four more rows of kernels set close, so there is no loss of space on the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. No more careful selection can be practiced than we use, and ears are dried in crates to insure high germination.
Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

Stowell's Evergreen. The great standard main crop variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. We have specialized in this grand sweet corn for many years, and we say with confidence our strain is the best that money can buy. Vaughan's Eastern grown seed develops a larger percentage of sugar than seed grown in the Western States. We quote prices here for both.

SELECT EASTERN-GROWN—Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50.

WESTERN-GROWN, EASTERN STOCK SEED—Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

WHIPPLE'S EARLY YELLOW. A 14 rowed ear, 7 to 8 inches in length, of good quality, maturing between Golden Bantam and Bantam Evergreen. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50.

GOLDEN CREAM (A Late Yellow). A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50. (Larger quantities of all Sweet Corns or other seeds at 10-lb. rate.)

SWEET CORN is the home garden crop. Scientists say the sugar content of such a variety as Stowell's Evergreen is 5 per cent; and within thirty minutes after it has been picked, this percentage will begin to decrease through chemical action. Only the home gardener, therefore, can enjoy it at its best, this greatest of American table delicacies. Sweet Corn may be sown earlier than field corn. May 1st is usually safe in the latitude of New York and Chicago. Fertilizer will give a good start and an early harvest.

Our special strains of Sweet Corn include Bantam Evergreen, which is

HOWLING MOB. A large-eared fine second early corn. About the same season as Early Champion, ear slightly larger. The kernels are small in size, of delightful flavor. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14-rowed, grains square, very white, sweet and tender. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

CELERY

Easily Grown at Home

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good lettuce and cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of May, 8 inches apart for the early kinds and a foot for the winter varieties. Where the soil is very rich they may be grown closer. Keep them growing and do not work over the plants when they are wet with dew or rain. Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

For the Home Garden—We commend Emperor and Golden Self-Blanching.

Health Value of Fresh Picked Celery

Calories per lb., 84. Vitamines A, B, C, D.

Minerals

Proteins	1.1%	Calcium	.078%	Chlorine	.156%
Fats	.1%	Magnesium	.014%	Sulphur	.022%
Carbohydrates	3.3%	Potassium	.316%	Iron	.0005%
			Sodium .084%		

Golden Self-Blanching. Vaughan's Selected Stock. The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfer, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, make it a most delightful table necessity. The French originators of this variety have lately introduced a re-selected strain which they are now using. It is earlier and stronger growing than the older type. We offer the two strains separately, the French-grown by the originators and American grown.

DWARF STRAIN, Selected French-Grown.—Pkt., 20c; ¼ oz., 60c; ½ oz., $1.00; oz., $1.65; ¼ lb., $5.00.

TALL STRAIN, Selected French-Grown.—Pkt., 20c; ¼ oz., 60c; ½ oz., $1.00; oz., $1.65; ¼ lb., $5.00.

DWARF STRAIN, American-Grown.—Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

TALL STRAIN, American-Grown. Pkt., 10c; ½ oz. 45c; oz., 75c; ¼ lb., $2.25.

White Plume. Of the white varieties this is recognized the best. Among market growers it is popular because it has excellent marketable qualities; with consumers it is a favorite because of its crisp, tender, and altogether desirable eating qualities. Its habit of growing is vigorous, stalks are uniformly white, and large sized.

SELECTED STOCK—Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.35.

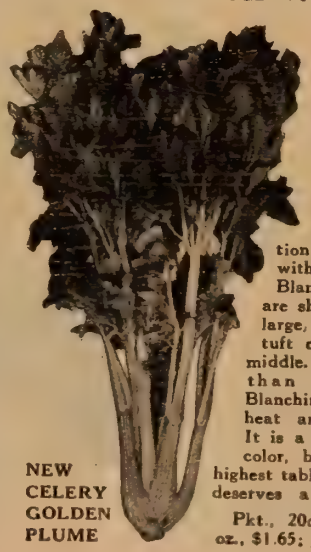
Giant Pascal. The stalks are very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and marketableness. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

Celery—Golden Phenomenal. See Novelty pages. Pkt., 50c; ½ oz., $3.50; oz., $6.00.

Emperor. A quality variety—almost in a class by itself for flavor and brittleness. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round (not moon-shaped). Bred especially for freedom from hollow stalks.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

Easy Blanching. A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick, quality excellent. A most desirable variety for the amateur. Second early.
Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00.

SELECTED STRAIN—Especially for market gardeners. Pkt., 15c; ½ oz 65c; oz., $1.25; ¼ lb., $4.00.



NEW CELERY GOLDEN PLUME

New Celery Golden Plume

IN our trials the last two seasons we have been much impressed with this new variety. A selection from or a cross with the Golden Self-Blanching, the stalks are short—the heart is large, with a protecting tuft of foliage in the middle. More vigorous than Golden Self-Blanching, it withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. It deserves a thorough trial.

Pkt., 20c; ½ oz., $1.00; oz., $1.65; ¼ lb., $5.00.

WINTER QUEEN. An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼lb., $1.15.

FRENCH'S SUCCESS. A fine keeping Winter White Celery. Pkt., 15c; ½ oz., 40c; oz., 75c.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 15c; ¼ lb., 45c.

BOSTON MARKET. White and solid; very dwarf; crisp and tender. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 95c.

KALAMAZOO or Giant White Solid. A tall, heavy, solid and very white late variety. A favorite in many localities where celery is grown for market. Pkt., 10c; ½ oz., 25c; oz., 45; ¼ lb., $1 35.

HOME GARDENS

to Boast About

a large Golden Bantam, produced by crossing this variety with Stowell's Evergreen; Golden Bantam, a strain larger and earlier than others; Mammoth White Cory, especially selected for early maturity; **Vaughan's Earliest**, the best variety for the Northern country, and Early Evergreen.

For the Home Garden—First early, Vaughan's Earliest; Golden 60-Day, Golden Bantam, main early crop, Bantam Evergreen followed by Stowell's Evergreen, Black Mexican or by successive plantings of Golden Bantam. A very fine quality early white corn is the Mammoth White Cory, our own growing.

Health Value of Fresh Picked Corn

Calories per lb., 459. Vitamines A, B, C, D.

		Minerals			
Proteins	3.1%	Calcium	.006%	Chlorine	.014%
Fats	1.1%	Magnesium	.033%	Sulphur	.046%
Carbohydrates	19.7%	Potassium	.113%	Iron	.0008%
		Sodium	.040%		

Golden Bantam. Now the most popular of all first early Sweet Corns and planted in nearly every garden. Golden Bantam is about a week later in season than Cory or the first earlies. The ears are borne two to a stalk, and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50.

EXTRA SELECTED STRAIN—Pkt., 20c; ½ lb., 40c; lb., 75c.

Vaughan's Bantam Evergreen. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at least able to sell a merchantable sized ear of corn superior to any on the market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50.

Vaughan's Earliest. (See Novelty Page 10). Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., $1.00.

60–Day White. Among the many extra early sweet corns recently introduced, this stands out because of its extreme earliness, large ear and good quality. With our Chicago market gardeners who have tried it "60 Day White" has been highly profitable. Height 3 feet, ears 10 to 12-rowed, 6 to 7 inches in length. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50.

Golden 60-Day Sweet. As early as 60-Day Makegood. It is bred from the Makegood strain crossed with Golden Bantam. Except for its beautiful golden color and slightly pointed ear, it is the same in all respects as our 60-Day Makegood. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs. 90c; 10 lbs., $2.75.

Country Gentleman. Is a late main crop variety. The ears which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. The grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50.

IMPROVED EARLY CHAMPION. Two weeks later than "Mammoth White Cory." The ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on a stalk. Planted by many gardeners for both early and late. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

LATE MAMMOTH. Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

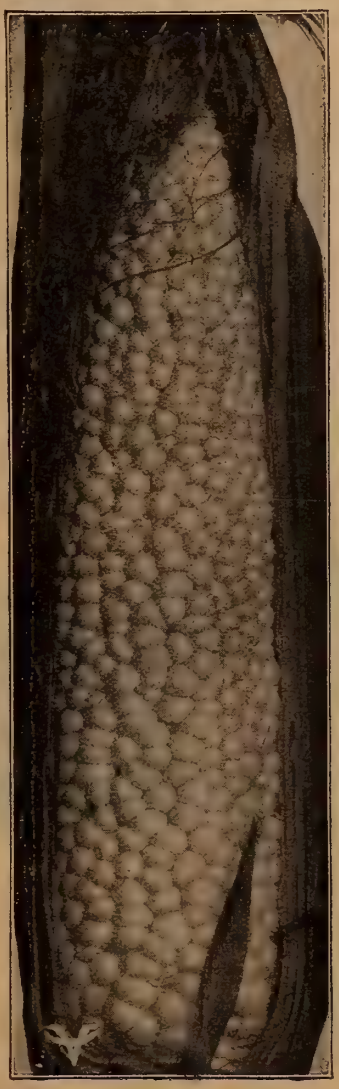
ADAM'S EXTRA EARLY. Not sweet but early. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., $1.75.

ADAM'S EARLY. Not sweet but early. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., $1.75.

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

EARLY MAYFLOWER. In the New England States this is the earliest sweet corn of good size. White cob and kernels, as large as White Cory. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

STOWELL'S EVERGREEN



COUNTRY GENTLEMAN

EARLY EVERGREEN. Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.50.

GOLDEN BANTAM

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to ten-rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this corn its quality is a revelation. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

Any of the following, per pkt., 10c.

EARLY MAMMOTH. Lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

WHITE EVERGREEN. Lb. 35c; 2 lbs., 65c; 10 lbs., $2.25.

(Larger quantities all Sweet Corns at 10-lb. rate.)

SWEET CORN FOR SUCCESSION. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Howling Mob, Stowell's Evergreen. Offer No. C3X. 1 pkt. each (3 kinds), 25c; prepaid.

ALL HOME GARDENS

BRUSSELS SPROUTS

BORECOLE—See Kale, p. 21.

BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

LONG ISLAND IMPROVED The most satisfactory Brussels Sprouts for American conditions; hardy, early, and a heavy yielder. **Pkt., 10c; oz., 40c; ¼ lb., $1.25.**

PARIS MARKET. Half dwarf, excellent yielder. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

IMPROVED DWARF. Dwarf habit and less liable to aphis than others. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

Large White Mammoth. Good white heads. **Pkt., 10c; ½ oz., 40c; oz., 75c.**

Purple Cape—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt., 10c; ½ oz., 40c; oz., 75c.**

ITALIAN CALABRASE.—**Sprouting Green Italian.** **See Novelty page 10.**

WITLOOF CHICORY

CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve **Celeriac.** The roots keep well in winter—recipes for preparing enclosed with seed.

LARGE SMOOTH PRAGUE. Excels in quality, size and appearance. Not like common sorts, which are often crooked and have a lot of useless roots. **Large Smooth Prague Celeriac** is the **main crop** variety, nearly globe-shape and almost twice the size of Erfurt. We have special selected strain with a minimum of rootlets. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.**

VAUGHAN'S SPECIAL

LARGE ERFURT. A standard. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.**

CHICORY

Witloof (French Endive). A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Special strain. **Pkt., 10c; oz., 25c; ¼ lb., 95c; lb., $3.25.**

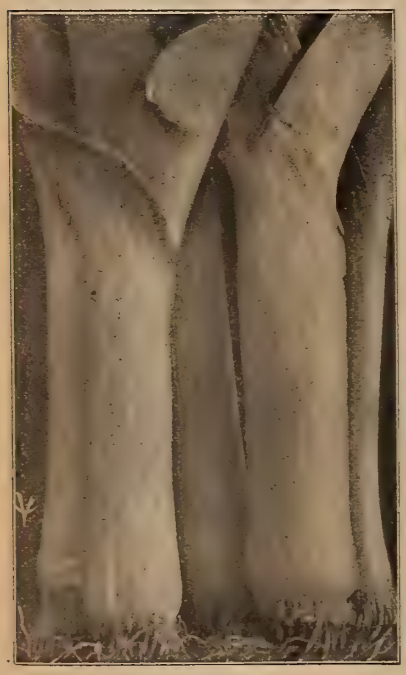
Roots of above, 3 for 40c, postpaid (with forcing directions up to April 1st).

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.60.**

ASPARAGUS CHICORY. See Novelty page. **Pkt., 25c; ½ oz., 50c; oz., 75c.**

CHIVES SEED. Used for seasoning. **Pkt., 10c; ½ oz., 40c; oz., 75c. Plants, 3 for 65c; doz., $2.00; 100, $12.00.**

CELERIAC—Giant Prague



LEEK

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

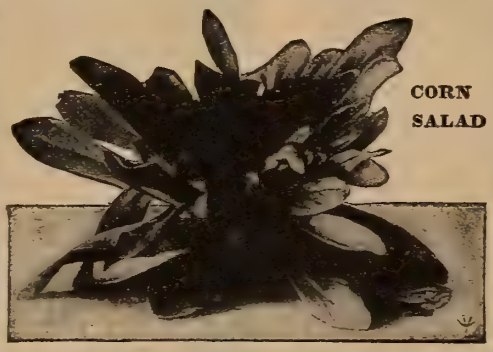
BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

ROUEN, LARGE WINTER. Large, excellent—best of all. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

LONG MEZIERES. One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow-white; fine flavor. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

CORN SALAD—Field Salad

CORN SALAD. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. **Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.**



CORN SALAD

GARDEN CRESS OR PEPPER GRASS

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.**

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.00.**

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. **Pkt., 15c; oz., 50c; ¼ lb., $1.60.**

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. **Pkt., 25c; ½ oz., $1.25; oz., $2.00.**

DANDELION. Common. **Pkt., 10c; ½ oz., 40c; oz., 75c.**

CARDOON. Main stalks are blanched like Celery; used for salad or in soups. **Pkt., 10c; oz., 50c; ¼ lb., $1.50.**

CHERVIL DOUBLE CURLED. Similar to Parsley, handsome for garnishing. **Pkt., 10c; oz., 25c; ¼ lb., 70c.**

COLLARDS. A variety of cabbage used in Southern States. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.**

KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter.

EARLY WHITE VIENNA. White and tender. **Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

EARLY PURPLE VIENNA. **Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

SHORT-LEAVED EARLY ERFURT. For forcing in open ground. White flesh, very tender, short leaves. **Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

St. Marys, Ohio, July 12, 1929.
Vaughan's Seed Store:
Wish to tell you all the seeds bought from you have been perfect in every respect, and they all grow, and are just as you represent them to be.
125 N. Perry St. MRS. JENNIE GERNETT.

Sweeter Than Turnips

KOHL-RABI White Vienna

SHOULD GROW THESE

EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"NEW YORK" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. **Sow Vaughan's seed. Pkt., 10c; oz., 50c; ¼ lb., $1.50; lb., $5.50.**

BLACK BEAUTY. Is 12 days earlier than New York; for Northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. **Plant Vaughan's seed. Pkt., 10c; oz., 60c; ¼ lb., $1.75; lb., $6.00.**

"NEAPOLITAN." A prized delicacy in Europe, proved to be well adapted to American conditions. In size it averages 3 to 3½ inches in diameter by 6 to 8 inches long. It matures about 10 days earlier than the New York or Black Beauty. Its flavor is superior. **Pkt., 10c; ½ oz., 35c; oz., 60c.**

BLACK BEAUTY—An Early variety, suitable for Northern planting

ENDIVE

CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August.

GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.**

GREEN CURLED WINTER. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.**

VAUGHAN'S IMP'D NEW YORK PURPLE EGG PLANT

GIANT FRINGED. Most beautiful snow-white heart, fine delicate green fringe. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.**

MOSS CURLED. Fine sort. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.**

EVER WHITE CURLED. Very crisp. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.**

BROAD-LEAVED WHITE or ESCAROLLE. Slightly curled. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.**

GARLIC SELECTED BAVARIAN

Lb., 30c; 10 lbs., $2.00. Postage extra. Write for latest market prices on quantities

HORSE RADISH SETS

ORDINARY HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. **100, $2.00; 500, $8.00; 1000, $15.00.**

GREEN CURLED ENDIVE

HORSE RADISH, Bohemian. Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets or Roots, per doz., 75c, postpaid; by express, 50 for $1.60; 100 for $3.00; 1000 for $25.00.**

KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later.

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. **Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.25.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.**

TALL GREEN CURLED. **Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.35.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. **Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., $1.00.**

SEA KALE

Ready for use earlier than Asparagus, and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea Kale comes usually from seed, but can be grown from offsets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. **Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.**

MUSTARD

Leaves useful as salad or boiled like Spinach.

FLORIDA BROADLEAF. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. **Pkt., 15c: oz., 20c; ¼ lb., 50c; lb., $1.25.**

GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 75c.**

IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

WHITE, Good for general use. **Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 65c.**

MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. Gathered when less than half grown. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

OKRA

Okra pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

WHITE VELVET. Produces pods larger than any other. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

TALL OR PERKINS MAMMOTH. The long pods, measuring 4 and 5 inches, are produced in great quantities. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

DWARF. Grows low but stocky and is very productive. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

RHUBARB

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one and a half inches wide. **Price of Seed per pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

LINNAEUS. **Seed, per pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

GOLIATH. A popular red strain. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

CHICAGO GIANT. This dwarf Rhubarb is bred for **large stalks and small leaves. Pkts. only, 15c. Roots, divided clumps, 50c each.**

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage, 1-year, 1 lb.; 2-year, 1½ lbs.; 3-year, 2 lbs. See page 112 for zone postage rates.

1-year, each, 25c; 3 for 45c; 10 for $1.30. 2-year, each, 30c; 3 for 75c; 10 for $2.25. 3-year, each, 50c; 3 for $1.35; 10 for $4.00.

CUCUMBERS FOR

TYPICAL FRUIT OF THE VAUGHAN CUCUMBER

Health Value of Fresh Picked Cucumbers

Calories per lb., 79. Vitamines A, B, C, D.

Minerals

Proteins	.8%	Calcium	.016%	Chlorine	.030%
Fats	.2%	Magnesium	.009%	Sulphur	.020%
Carbohydrates	3.1%	Potassium	.140%	Iron	.0002%
			Sodium .010%		

NEW CUCUMBER—"The Vaughan." This is as much in advance over the Davis Perfect variety as the "Davis" was over the old extra Long White Spine sorts. Compared to the other (Long White Spine varieties) it is much darker in color, more uniform in shape and size thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. J. C. Robinson of Waterloo, Nebraska, writes: "We have tried the Vaughan Cucumber out for two years in our trials. It certainly will displace most other kinds, in our opinion." Pkt., 15c; oz., 40c; ¼ lb., $1.25; lb., $4.50.

Cucumber, Earliest of All. A fair size, dark green White Spine. The earliest of good quality we have tried, of especial value in localities where blight prevents the maturing of the late and longer sorts; also of value in the South for first crop. Home gardeners who wish to have the first cucumbers in their neighborhood should try this variety.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

DAVIS PERFECT CUCUMBER
Less Than Half Natural Size

CUCUMBERS are close relatives of melons, but mature in about sixty days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered arsenate of lead or tobacco dust. The under sides of the leaves must be sprayed with nicotine to kill aphis.

For the Home Garden—The Vaughan is the finest table cucumber for the home garden. A pickling variety, should be grown for pickles.

Cucumber, Early Fortune. An especially fine, medium length White Spine Cucumber much planted in the South for shipment to the Northern markets. It has a fine, dark green color which it holds for a long time after picking.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Vaughan's Improved Arlington White Spine. Is early, and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh firm but tender, with delicious flavor; these surpassing qualities have made it a great favorite. In the Southern country it is a universally planted sort and Vaughan's strain of Improved Arlington White Spine is the standard for both home and market gardens.
Pkt., 10c; oz., 20c; ¼ lb., 55c, lb., $1.60.

Davis Perfect. Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor and outdoor planting it is most popular. Its extremely vigorous growth, makes it the best blight resister of the long sorts.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

Improved Long Green. Vaughan's strain of "Long Green," is a strain improved and developed by reselection. The vines of our strain are very vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. As a cucumber of the "black spine" variety, for slicing and for pickles, this is one of the very best. The flesh is very firm and crisp and has a distinctive fine flavor, quite its own; they make excellent pickles, and when yellow and ripe the best sweet pickles. The fine, dark green color, the size, shape, crispness, and flavor, make this the best of the "black spine" varieties.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

EXTRA LONG WHITE SPINE. A great blight resister. It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh. It is early, vigorous and prolific. Select Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

EARLY CYCLONE. 3 to 4 inches long, earliest of the white spines; prolific. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

ROCKY FORD (Klondyke). White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

NEW CENTURY. A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EMERALD. Smooth, almost spineless, dark green, which it retains well, fine for slicing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

COOL AND CRISP. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

FORDHOOK FAMOUS—White Spine. As long as "Davis," slightly bent, but very handome, twelve to fifteen inches. Quality superb. Pkt., 10c; oz. 20c; ¼ lb., 50c; lb., $1.65.

NICHOLS MEDIUM GREEN. Early, medium size, straight, smooth, dark green, good flavor, for pickling and slicing. Pkt., 10c; oz. 20c; ¼ lb. 45c; lb. $1.40.

ODD CUCUMBERS

JAPANESE CLIMBING. Grows quickly on poles or trellis, especially good for slicing and salads. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

LEMON CUCUMBER. Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.00.

SERPENT OR SNAKE. A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; ¼ lb., 75c.

SALADS OR PICKLES

Westerfield's Chicago Pickle. Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market. The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get for our selected seed. When ripe the fruit is medium size, pointed at both ends, has large prominent black spines.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

Improved Jersey Pickle. This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. Plant Vaughan's Seed.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

Snow's Fancy Pickling. This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the West. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

The Cumberland Pickle. This is a variety of the White Spine type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sort, being thick set with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. Excellent for pickles and slicing.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

Grow Quick. A pickle-type similar to Chicago Westerfield in size and shape, but a week to ten days earlier. It usually matures its crop before the early blight appears. Pkt., 20c; oz., 50c; ¼ lb., $1.50.

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	10c	15c	45c	$1.40
Early Cluster	10c	15c	45c	1.40
Early Frame or Short Green	10c	15c	45c	1.40

English Frame Cucumbers

ROLLISON'S TELEGRAPH. English greenhouse grown. Pkt. 25c.

VAUGHAN'S CUCUMBER SPECIALTIES
The Vaughan, Vaughan's Improved Long Green, Westerfield's Chicago Pickle, Snow's Fancy Pickling.

GARDEN HERBS

ANISE. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 35c.

***BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 50c.

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 10c; oz., 35c.

BENE. The leaves immersed in water make a drink very beneficial in cases of dysentery. Pkt., 10c; oz., 35c.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 35c.

CARAWAY. Seeds are used for flavoring. Pkt., 10c; oz., 25c.

CATNIP OR CATMINT. Grown for bees, also for seasoning. Pkt., 15c; oz., 75c.

CHAMOMILE (MATRICARIA CHAMOMILLA). The dried flowers possess medicinal qualities. Prescribed as an emetic and vermifuge. Pkt., 15c; oz., 65c.

CORIANDER. The seeds are used for flavoring. Pkt., 10c; oz., 25c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

South Milwaukee, Wis., Dec. 30, '28.
Vaughan's Seed Store:
I was very greatly pleased with the results I obtained with the seeds purchased from you last year, and ask that you kindly send me your new Gardening Illustrated. Very truly yours,
C. W. LAUMANN.
641 Hawthorne Ave.

FENNEL, Florence. An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Very distinct from Sweet Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c.

***FENNEL, Sweet.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 25c.

***HENBANE.** The growing plants are said to absorb malaria germs. Pkt., 10c; oz., 75c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., 10c; oz., 35c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes. Two kinds.

Lavender (Lavandula vera). True Lavender. Pkt., 10c; oz., 75c. Plants, 3 for 85c; doz., $3.00; 100, $15.00.

Lavender (Lavandula spica). Not quite so strong as above. Pkt., 10c; oz., 35c; ¼ lb., 75c.

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 10c; oz., 25c.

MINT. For mint sauce and juleps. Strong pot plants. Price, 3 for 65c; doz., $2.50. By mail, add 5c each; doz., 20c.

PENNYROYAL. Leaves are used for seasoning. It also has medicinal properties. Pkt., 10c; ½ oz., 50c.

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. Pkt., 25c.

PIMPINELLA (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. Pkt., 10c; oz., 35c.

ROSEMARY. The leaves are used for seasoning. Pkt., 10c; ½ oz., 30c.

***RUE.** For medical purposes; good for roup in fowls. Pkt., 10c; oz., 65c.

SAFFRON. Used for coloring and for flavoring. Pkt., 10c; oz., 45c.

SAGE (Holt's Mammoth). The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter; are perfectly hardy and make a still larger growth the second season. Plants, 3 for 65c; 12 for $2.50; 100, $12.00. By mail, add 5c each; doz., 20c.

SAGE SEED. Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 30c; oz., 50c.

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for boiled string-beans. Pkt., 10c; oz., 25c.

WINTER SAVORY. Leaves for seasoning. Pkt., 10c; ½ oz., 30c; oz., 50c.

***TARRAGON (Artemisia Dracuncuelus).** The leaves, dried or fresh, are steeped in ordinary vinegar. Plants only. Plants, 3 for 85c; doz., $2.50. By mail, add 5c each; doz., 20c.

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 30c; oz., 50c.

WOODRUFF or WALDMEISTER (Asperula odorata). Used in May Wine and also for perfuming clothes. Pkt., 10c.

***WORMWOOD.** Beneficial for poultry; plant in your poultry yard. Pkt., 10c; oz., 35c.

Varieties preceded by (*) are perennials.

SWEET MARJORAM
(Marjoran, Marjolain)

LETTUCES, HEAD.

LETTUCE has become a year-round necessity on our tables, with the discovery of vitamines and the part they play in maintaining good health. It is a crop with which the home gardener may excel as he supplies the few essentials. Leaf lettuce may be grown satisfactorily in almost any soil, and since it may be eaten with relish long before it has matured, it usually supplies the first salad of the year from the garden. Head lettuce is more difficult, but success is sure if it be started indoors, so that plants may be set out at the time leaf lettuce is sown in the open ground; always provided that the head lettuce have a rich, quick soil; that is, one which is light and warm, and very heavily manured. Water is also essential to the rapid and uninterrupted growth which produces good cabbage heads. The butter head types are best for early, and the crisp heads, such as New York, Iceberg and Mignonette for the warmer weather.

For the Home Garden—All Seasons and Hanson of the butter heads; Iceberg and Mignonette of the crisp heads, and Black Seeded Simpson and Prizehead of the leaf lettuces are recommended, with any of the Cos varieties, which will often succeed where the cabbage heads fail.

Vaughan's All Seasons. In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term excellent; the inner leaves blanch beautifully. This sort is a sure header and slow to run to seed.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00

Improved Hanson. The most reliable header for home garden. On all markets—a well known, highly approved lettuce. Globe-shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

Vaughan's Big Boston (for the South). With Southern gardeners who ship North, many of whom plant Vaughan's seed exclusively, this is considered the best early large heading sort. North, a valuable first early. Large heads of bright green leaves which are very tender. One of the very best for forcing. Seed provided especially for us same as Simpson.
VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

California Cream Butter. One of the best summer varieties. Heads good size and solid. Beautiful appearance, buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

New York or Wonderful. This is the largest of all head lettuce, forming crisp heads often weighing two pounds. It matures slowly, first forming a conical head which becomes globular with maturity. It is of excellent quality, very sweet, and stands the hot weather well. Because of its size plenty of room must be given between plants. This variety is known in some sections as Los Angeles.
Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $2.75.

A PRIZE FOR POULTRY-KEEPERS

New Chicken Lettuce. Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

COS LETTUCE

MAY KING. A very early heading variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

WAYAHEAD. Very early head lettuce, in season about time of "May King." Is larger than May King. The head is of golden yellow, and the outer leaves light green. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

UNRIVALED. A light green strain of Big Boston. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

PERPIGNAN OR SUMMER DEFIANCE. Excels for long standing. Resists heat better than most others. Heads are large, firm and solid. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

MAXIMUM OR IMMENSITY. A wonderful heat resister. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center; splendid quality. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

BLACK SEEDED BIG BOSTON. An improved shipping strain of the Big Boston. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. In great demand in large Southern lettuce sections. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

THE DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful golden yellow; rich buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

GIANT CRYSTAL HEAD. White, solid, extra quality. Grows enormous heads and is extensively used for exhibition purposes. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

ST. LOUIS BUTTER-HEAD. Extensively planted. Has gained great popularity since the St. Louis World's Fair in 1904. Large, solid head, crumpled leaves, yellow center. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

ICEBERG. Extremely hard heading, has finely indented leaves. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

MIGNONETTE. A delicious, crisp, solid, small lettuce; very hardy, stands close planting. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.

SALAMANDER. Good all seasons. Resists heat. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

TENNIS BALL. Black Seeded. One of best standard sorts. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

TENNIS BALL. White Seeded. (Boston Market.) A good forcer. Pkt., 10c; oz., 20c; ¼ lb. 50c; lb., $1.60.

WHITE SUMMER CABBAGE. Green, very hardy, popular. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Many esteem this the finest of lettuces in flavor, and it is a salad of the highest quality. Home gardeners who have difficulty growing the cabbage heads will be well advised to turn to Romaine.

Express Cos. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Paris White Cos. Grows to large size. Self-closing.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Trianon Cos. Similar to above, but grows whiter and matures earlier.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb. $2.00.

ROMAINE AND LEAF

Health Value of Fresh Picked Lettuce

Calories per lb., 87. Vitamines A, B, C, D.

Minerals

Proteins	1.2%	Calcium	.043%	Chlorine	.074%
Fats	.3%	Magnesium	.017%	Sulphur	.014%
Carbohydrates	2.9%	Potassium	.339%	Iron	.0007%
		Sodium	.037%		

LEAF LETTUCE

Grand Rapids. Vaughan's selected stock. A home garden favorite, extensively planted for market. Grand Rapids Lettuce for hotbed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and its upright habit, requiring little room in the bed, permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

VAUGHAN'S EXTRA SELECTED STOCK—Pkt., 15c; oz., 25c; ¼ lb., 65c; lb., $2.00.

STANDARD STOCK—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

Black Seeded Simpson. Seed of this important sort is grown for us with special care. We supply many gardeners who make their living as lettuce growers.

Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground. It is unsurpassed as a heat resister, and is especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. Its fine appearance makes it a success on the market, and in the home garden.

VAUGHAN'S SELECTED STOCK—Saved from extra selected plants. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

STANDARD STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

GRAND RAPIDS

DENVER MARKET FORCING. Early; forms loose head of good size; leaves light green, handsomely marked, and blistered like Savoy Cabbage; very crisp and tender, a forcing or open ground sort. Pkt. 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

EARLY CURLED SILESIA. A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curled edges; an old favorite. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

EARLY CURLED SIMPSON. White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

PRIZEHEAD. Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

LETTUCE SEED IMPROVEMENT. In recent years great progress has been made in the improvement by the selection and breeding of our strains of lettuce. Practically all of our varieties are now the progeny of one original "perfect" plant of the individual variety. The result is great uniformity and freedom from "rogues" or "off" plants.

MUSHROOM SPAWN

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We print and give FREE with orders for our Mushroom Spawn, a leaflet, "How to Grow Mushrooms." We supply the highest quality of Mushroom Spawn to the largest commercial "caves" in the country, both from our Chicago and New York stores.

LAMBERT'S NEW PROCESS SPORE CULTURE SPAWN. In this new Spore Culture spawn which has been developed in France and is now produced in America, a more vigorous and a more prolific spawn is claimed. Not only that, but types have been more definitely fixed and absolute uniformity secured. Price, Brick (weight 1 lb.), 35c; 5 bricks, $1.50; 10 bricks, $2.75; 25 bricks, $5.50; 100 bricks, $20.00.

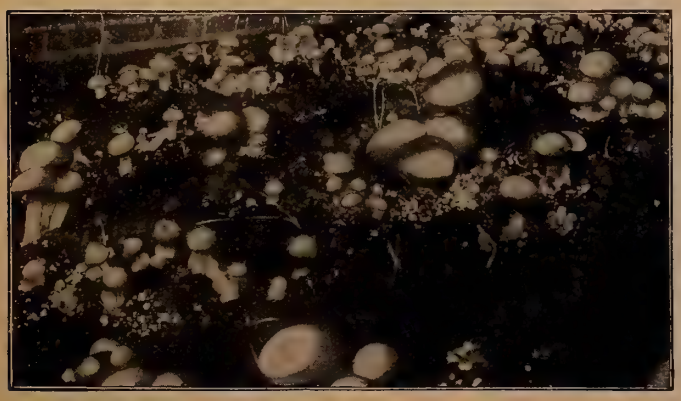
No. 7 BROWN (Bohemian). A good producer of heavy mushrooms.

No. 8 CREAM WHITE. A mammoth strain.

No. 9 WHITE (Alaska). Popular market variety.

BOTTLE SPAWN for Commercial Growers. Per quart bottle, $1.35; per carton, 12 bottles, $12.00.

If to go by mail add postage at parcel post rate. Each brick 1 lb.



THE PRODUCT OF LAMBERT'S NEW PROCESS "SPORE CULTURE" SPAWN

OYSTER PLANT

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground, but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor.
Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75.

Long White Salsify. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75.

Scorzonera, or Black Salsify. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way.
Pkt., 10c; oz., 30c; ¼ lb., 85c.

Rampion—A New Salad. Both the roots and leaves make a delicious salad.
Pkt., 10c; ½ oz., 20c; oz., 30c; 2 oz., 55c.

SALSIFY, MAMMOTH SANDWICH ISLAND

MUSKMELONS For All Climates

MILWAUKEE MARKET

Health Value of Fresh Picked Melons

Calories per lb., 180.

				Minerals			
Proteins	.6%	Calcium	.017%	Chlorine	.041%	Iron	.0003%
Fats	00%	Magnesium	.012%	Sulphur	.014%	Sodium	.061%
Carbohydrates	9.3%	Potassium	.235%				

MELONS are a long season crop requiring for their best development a sandy soil which quickly warms up, a season of 90 to 100 days growing weather, hot sun and ample irrigation. Though these conditions are best found in irrigated sections of the West, there is practically no region in the United States in which some variety cannot be successfully grown. The list offered on these pages includes all varieties of merit, and is so complete that gardeners living in every section of the country may find here a variety with which they can succeed. Seed must not be sown until the ground is warm, and in the North it will pay to start the seed in a hotbed or indoors in paper pots or in a piece of thick turf. Plant in hills, allowing ample room, and thin out the plants to four in a hill when they begin to vine. The cucumber beetle may be kept off with Slug Shot or Pyrox and aphis must be killed with a nicotine spray.

For the Home Garden—The varieties which are known to succeed in your locality are recommended, as many conditions enter into success with melons. Milwaukee Market is especially valuable for the home garden, growing to a large size and possessing table quality which few melons equal. The Osage type is usually easier to grow than the Gem type for an amateur.

Vaughan's Milwaukee Market. This seed grown by ourselves in Michigan. (See illustration.) It originated as a cross between the old Surprise and a Gem melon. For a fine home melon and a market-wagon variety it has no superior. The skin is light green, fruits nearly round with slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness. Every home gardener who can grow muskmelons should plant this. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Rittenhouse Special. A medium size, oval melon with prominent ribs, heavy netting, medium thick finely grained pink flesh. Its sweet, spicy flavor is present for some time both before and after maturity. Medium to early. Pkt., 20c; 1 oz., 50c; ¼ lb., $1.50.

Vaughan's Original Osage. In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well; in sandy soil it is at home and a money-maker for growers. Seldom, indeed, is there a poor quality Osage; it holds its own rich flavor much longer than other sorts, and best of all the red-fleshed. As the introducers we pride ourselves in maintaining its uniform quality for our old-time customers.
SELECTED STOCK—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50
STANDARD STOCK—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

Special Shipping Osage. Melon will stand a shipment of several hundred miles without breaking down. Identical in quality with Osage, although smaller. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

Vaughan's Extra Early Osage. Not as large as Vaughan's Original Osage, but at least ten days earlier and of equal quality. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

Vaughan's Hoodoo or Hearts of Gold

Introducer's Strain. The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality—fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and Color—deep orange, extremely thick. As a shipper—uniform, like "peas in a pod." Netting is ideal, heavy and close. Prolific and uniform, produces well under favorable conditions and withstands blight better than most varieties.

HOODOO melons from Michigan points bring highest market prices in competition with the whole United States.

SELECT STOCK—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.
STANDARD STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

HOODOO OR HEARTS OF GOLD

EARLY KNIGHT or Sweet Air. Very popular around Washington, Baltimore and Philadelphia. Being a green-fleshed melon of superior flavor and correct size, is well suited to that region, and commands the highest market price. It is 5 to 6 inches across and 7 to 8 inches long. The netting is good and, crated, stand long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

MONTREAL MARKET NUTMEG. The largest of the nutmeg varieties. This melon is extensively raised near Montreal, being sown and grown in cold frames until ready to set out. Skin is dark green, flesh green. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

BANANA. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt. 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

IMPROVED JENNY LIND. Vaughan's Selected Stock. Rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality of its yellowish green flesh is unsurpassed. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

MANGO MELON OR VEGETABLE PEACH. Orange shaped, golden yellow flesh. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; ¼ lb., 75c.

TIP TOP. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow-fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder. Selected Stock: Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

Vaughan's Paul Rose. This is another melon introduction of Vaughan's Seed Store, and fills every requirement a first-class melon should have. Paul Rose is the result of crossing Osage and Rocky Ford, an exceptional combination of melon qualities. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

Melon, Honey Dew. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and the color blends from a near white at the rind to emerald green at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesses a peculiar honey flavor. In short season localities it should be started on sods in the hotbed, as it is several weeks later than the Rocky Ford. Honey Dew is best when quite ripe. Store a few days after picking. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

FORCING MELONS

Highest Table Quality. Suitable for Greenhouse Growing:

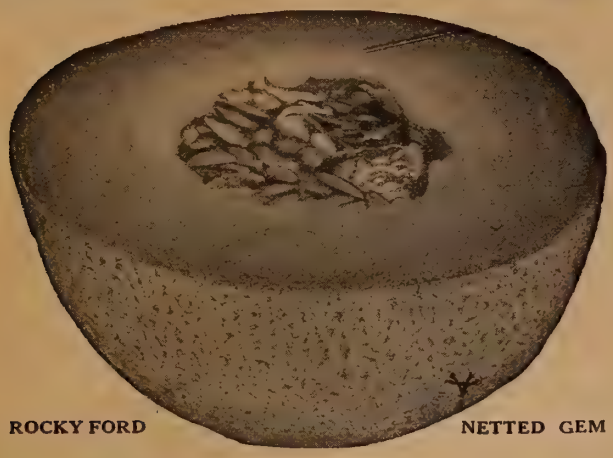
DIAMOND JUBILEE. Green flesh.
RINGLEADER. Green flesh.
TURNER'S SEEDLING. Scarlet flesh.
HERO OF LOCKINGE. White flesh.

Price of each pkt., 25c.

(OSAGE Introduced by J. C. Vaughan)

Don't overlook Vaughan's Cook Book of Vegetables; many tried vegetable recipes. Free with every $1.50 order for packets and ounces—if asked for on order.

Short Season and Long WATERMELONS



ROCKY FORD NETTED GEM

THE ROCKY FORD TYPE

Rocky Ford Netted Gem. Of the green muskmelons Rocky Ford is the recognized standard of excellence. To secure the real high-class quality possible in this melon, it is necessary to have seed saved from choicest specimen melons only. We offer two grades of seed: Vaughan's Selected Stock which is saved from specimens of the highest class market melons—since "like produces like"—and Standard Stock saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

Picture at top shows specimen grown from Vaughan's Selected Stock. Note the small seed cavity and thickness of flesh. Our strain is the popular gold-lined tint.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.
STANDARD STOCK—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

New Cantaloupe. "Edwards Perfecto." "Salmon-Fleshed Rocky Ford." The Perfecto has the deepest flesh, smallest seed cavity and more salmon color than any type of Rocky Ford shipping melon.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75. (Large growers write for quantity prices.)

New Muskmelon Pollock, 10-25. Salmon tint. Very uniform in highest quality; vigorous and early. Cuts with a golden center shading to a green at the rind.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

EXTRA EARLY VARIETIES

New Cantaloupe, Oka. This is a variety from Canada, of Hackensack shape—a cross between Montreal Market and Banana—pink flesh and small seed cavity. It was originated by Rev. Father Athanase, of the Trappist Monastery at LaTrappe, Quebec. It is recommended to home gardeners as a short season melon of excellent quality. Pkt., 20c; ½ oz., 30c; oz., 50c.

New Melon, Golden Champlain. It is well netted, grows to a good size, is thick fleshed and very sweet. It is recommended for latitudes where seed must be sown after May 15, and a harvest is desired in August.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

Bender's Surprise. This new melon is a large thick-fleshed, heavily netted fruit somewhat resembling our Milwaukee Market. Its flavor is wonderfully sweet with almost no stringiness. It matures early and is an excellent home garden variety.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

BENDER'S SURPRISE

VAUGHAN'S OSAGE GEM. A real gem with salmon-colored delicious flesh. The skin is heavily netted like the Rocky Ford and the luscious salmon-colored flesh is of the highest quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

EMERALD GEM. The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S SPECIAL

WATERMELONS may be grown under favorable conditions in the North though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines, and use only hand tools in cultivation.

New Wonder. The earliest high quality melon for the Northern garden. Similar to Kleckleys in shape, but larger and has harder rind. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $1.75.

Stone Mountain. A new round melon having red flesh and free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Cole's Early. The Northern States' favorite. As an early melon it is the standard of high quality. The flesh is rich, deliciously sweet and crisp. It is oblong-shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15; 5 lbs., $4.50.

Kleckley Sweets. This is a an old established variety. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; 5 lbs., $6.50.

Sweet Siberian. A very early variety of Russian origin. The melon is dark, of medium size with yellow flesh of superb quality. Gardeners in the North will find the Siberian a treasure.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., 1.50.

New Chilian. Attractive, of medium size, nearly round, skin deep green, faintly mottled and striped, stripe of brighter shade.
Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.25.

Irish Grey. A mottled greenish grey, every melon very distinct. A fine shipper and the equal of any in sweetness and quality.
Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.00.

KLECKLEY SWEETS

Tom Watson. There's delicious sweetness in every bite. The flesh is rich red, crisp and tenderly melting.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15; 5 lbs., $4.50.

SWEETHEART. Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.

VAUGHAN'S BLACK DIAMOND. Very large, prolific, medium early, dark green skin, red flesh, blunt oval shape, fine shipper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.

CITRON. For preserves. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.

HARRIS EARLIEST. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.

OTHER GOOD WATERMELONS The following varieties are especially adapted to conditions in certain parts of the country. Ask market growers in your neighborhood for recommendation.

EARLY FORDHOOK.
CUBAN QUEEN.
ICE CREAM OR PEERLESS.
McIVER'S WONDERFUL SUGAR.
RATTLESNAKE OR GYPSY STRIPED.
FLORIDA FAVORITE.
ICEBERG.
MOUNTAIN SWEET.
PHINNEY'S IMPROVED.

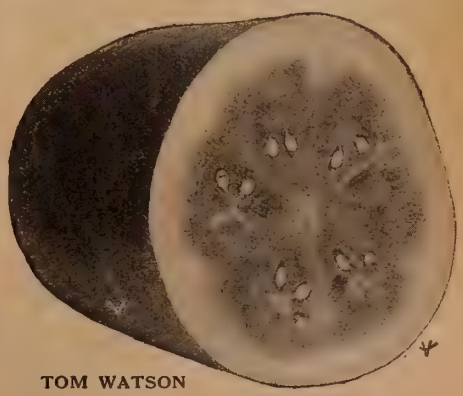
Any of above: Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.

HALBERT HONEY. A variety somewhat similar to Kleckley Sweets—of much darker color. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ALABAMA SWEETS. A Southern favorite. Oblong in shape, dark green skin, the seed is white. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.

Winter Watermelon

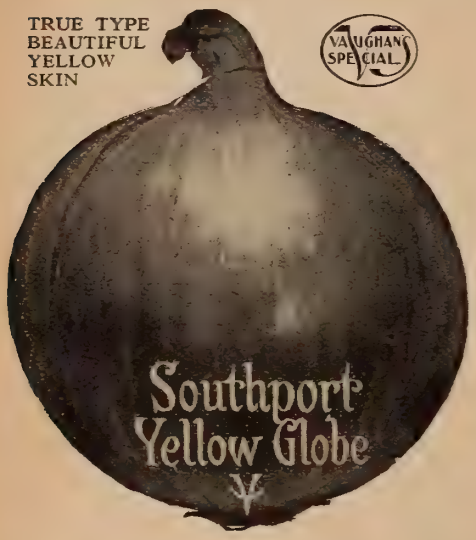
Size of Honey Dew, having its long keeping qualities. Very early, prolific and excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.



TOM WATSON

ONION SEED, PLANTS,

TRUE TYPE BEAUTIFUL YELLOW SKIN



Health Value of Onions

Calories per lb., 220. Vitamines A, B, C, D.

Proteins	1.6%	Calcium	.034%	Minerals			
Fats	.3%	Magnesium	.016%	Chlorine	.021%	Iron	.0006%
Carbohydrates	9.9%	Potassium	.178%	Sulphur	.070%	Sodium	.016%

ONION SEED may be sown as soon as the ground can be prepared. If extra large onions are desired in Northern latitudes, seed may be sown in hotbeds or indoor boxes. It is best to transplant them into paper pots and allow their roots to become well established before setting them in the garden. By this method such varieties as Prizetaker and Ailsa Craig can be grown to extraordinary size. Amateurs can thus produce in their own gardens in the short Northern season, bulbs much larger than the so-called Spanish onions grown in the South and of the same mild flavor. It should be attempted only where the soil is favorable and irrigation possible. If onion seeds are sown in the open at the same time onion sets are put in the ground, the home garden may enjoy young onions from seed in midsummer, thinning out the rows for this purpose. If it is desired to mature onions for winter use and storage, one of the standard globe varieties should be chosen as they are the best keepers. The Southports, Danvers, Ohio Globe and Ideal Globe are good sorts.

Southport Yellow Globe. The Vaughan strain of this onion is the most uniform on the market today. It is ball-shaped and not so elongated as to make any undersized specimens seem like picklers. Our Eastern seed bulbs are hand sorted by our selves and the seed grown under our direct supervision. The ideal heavy yielding, long keeping Golden Yellow market onion.

EASTERN-GROWN SEED—Finest type; sold by us for many years. Pkt., 15c; oz., 35c; ¼ lb., $1.00; lb., $3.50; by express over 5 lbs., per lb., $3.25.

CALIFORNIA-GROWN SEED — Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50; by express over 5 lbs., per lb., $2.25.

Southport Red Globe. In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

EASTERN-GROWN SEED—Pkt., 15c; oz., 35c; ¼ lb., $1.00; lb., $3.50; by express over 5 lbs., per lb., $3.25.

CALIFORNIA-GROWN SEED—Pkt., 10c; oz., 25c; ¼ lb. 75c; lb., $2.50; by express over 5 lbs., per lb., $2.25.

Vaughan's Ideal White Globe. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white.

EASTERN-GROWN SEED—Pkt., 15c; oz., 45c; ¼ lb., $1.25; lb., $4.25.

CALIFORNIA-GROWN SEED—Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $4.00.

Japanese or Ebenezer. There has been a tremendous demand for this yellow skinned Onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable Onions than does the old Strasburg or Danvers. Moreover, a smaller per cent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored.

Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., $3.00.

Vaughan's Special Yellow Globe. ("MOUNTAIN" DANVERS.) An early Yellow Globe, slightly smaller than Southport. It produces a fine market onion. In some seasons early aphis damages the late onion crop but does not harm this variety, due to early maturity. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2 50.

Vaughan's Special Red Globe. Same shape, size and price as above but red.

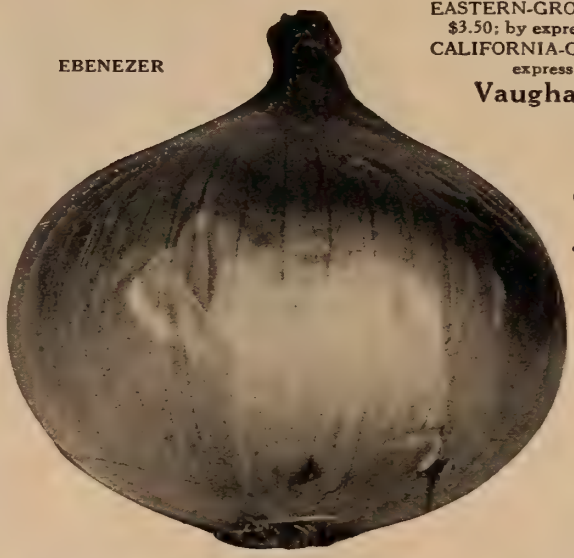
Ohio Yellow Globe.

Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers.

High vitality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25; by express over 5 lbs., per lb., $2.00.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.

EBENEZER



ONION SETS AND PLANTS

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

WHITE BOTTOMS. Pt., 25c; qt., 40c; ½ pk., 90c; pk., $1.50.

YELLOW BOTTOMS. Pt., 20c; qt., 30c; ½ pk., 75c; pk., $1.25.

RED BOTTOMS. Pt., 20c; qt., 30c; ½ pk., 75c; pk., $1.25.

Bermuda Onion Plants

These are new, and especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern garden, to produce sweet, mature onions of Bermuda quality. Ready April 15th. Per 100, 30c, post paid. Per 1000, $2.00, postage extra; wt., about 6 lbs.

EGYPTIAN OR RED PERENNIALS. These we sell only in the Fall. Planted then, they produce very early green onions. Pt., 25c; qt., 40c; ½ pk., 90c; pk., $1.50.

WHITE MULTIPLIERS. For First Early Spring Bunching Onions. They are pure silvery white, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. Pt., 25c; qt., 40c; ½ pk., $1.25; pk., $2.00.

SHALLOT'S OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 20c; qt., 30c; ½ pk., 80c; pk., $1.35.

YELLOW POTATO ONION SETS. Grown for young onions. Pkt., 25c; qt., 40c; ½ pk., $1.25; pk., $2.00.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For farther zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

EARLY WHITE WELSH ONION. The best winter bunching onions, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c; lb., $3.00.

WHITE BUNCHING ONION. A European onion for early spring and summer bunching. Makes a very nice white tender stalk. Sow at same time as Ideal White Globe. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

EARLY WHITE WELSH

SETS OF ALL TYPES

Prizetaker—American Grown. Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Large Red Wethersfield. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market.
Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

Fancy Yellow Globe Danvers. This onion is a standard among the large types; it is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Ailsa Craig—Vaughan's Selected Stock. It has a handsome appearance being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successul competitor of large, imported Spanish onions. The shape is globular and it forms a fine thick neck which tells of its bred-in fine quality; it is, for a large onion, a splendid keeper; for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable.
Pkt., 15c; oz., 40c; ¼ lb., $1.15; lb., $3.50.

Giant Gibraltar. A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strain runs slightly larger in size than the usual run of Prizetaker.
Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

Riverside Sweet Spanish This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. Pkt., 15c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Yellow Globe Danvers. Same as Fancy Y. G. Danvers, except that it does not run as globe-shaped, but color, ripening and keeping are identical.
Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., $2.25.

Yellow Flat Danvers. A standard onion with many splendid qualities; a valuable general crop sort. It is of a medium size, quite thick through, but flattened, has coppery yellow skin, and creamy white flesh which is mild and of pleasant flavor. It combines large yield with very even ripening quality.
Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

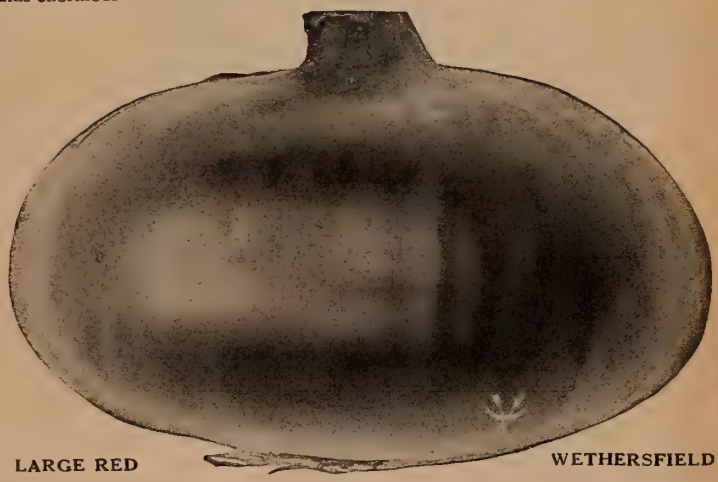
Mammoth Silver King. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape; flat, but thick.
Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

Crystal White Wax. This is a pure white flat onion, very popular in the South, especially in Texas. Also does well in the North. Very sweet. Teneriffe seed. Pkt., 15c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Yellow Bermuda. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Pkt., 15c; oz., 60c; ¼ lb., $1.75; lb., $6.00.

AILSA CRAIG

A SURE PRIZE WINNER



LARGE RED WETHERSFIELD

FLAT AND MISCELLANEOUS

EXTRA EARLY FLAT RED. One of the handsomest red onions, and will ripen two weeks earlier than other strains.
Pkt., 10c; oz. 30c; ¼ lb., 75c; lb., $2.50.

BROWN AUSTRALIAN (Flat). A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

WHITE PORTUGAL OR SILVERSKIN. This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions; for any one or all of these purposes it is extensively planted by growers who produce the varieties named as large white onions for fall and early winter use. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 35c; ¼ lb., 90c; lb., $3.00.

GOOD PICKLER FINE KEEPER

WHITE PORTUGAL

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.75.

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

WHITE BARLETTA. Beautiful waxy white. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

STRASBURG OR YELLOW DUTCH. Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

SEED POTATOES

Grown in the North

VAUGHAN'S IMPROVED EARLY OHIO

FOR more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota. Today Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

Certified Stock. We offer Michigan and Minnesota certified potatoes in several instances. Such stock has been inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and is from vigorous fields. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed and is recommended where certified is not to be had.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes. Write for latest market quotations. We are large carload handlers of potatoes and are always in line with the prevailing market. On a quality basis we can always meet competition. Get our figures on large lots before ordering elsewhere.

Success with potatoes in the home garden requires a rich fairly light soil, not limed and free from fresh manure. Fertilizer strong in potash should be applied and spraying should be done thoroughly. The early varieties may be sown as soon as the soil can be prepared. The first spraying, with Bordeaux Mixture or Pyrox, should be given when the sprouts are a few inches high. They should be sprayed at regular intervals thereafter, mixing arsenate of lead with Bordeaux to kill beetles, and nicotine sulphate to kill aphis and leaf hoppers. Keep insects in control and potatoes growing.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the East and the latter in the West. One of the rural type is recommended for the late crop.

Vaughan's Improved Early Ohio (Red). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. In the Middle West Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.
½ pk., 65c; pk., $1.15; ½ bu., $2.00; bu., $3.50; 100 lbs., $5.50.

Irish Cobbler—Early Heavy Cropper. An early of medium size, and in light soil maturing almost as soon as the smaller cropping Earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota, and is superior to strains grown elsewhere.
½ pk., 65c; pk., $1.15; ½ bu., $2.00; bu., $3.50; 100 lbs., $5.50.

Woodbury's White Rose (Early). A splendid early potato. A seedling from "Early Rose." It is right in size, beautiful kidney-shape with pure white skin and flesh. The vines are vigorous and resist early blight, and the yield is large.
½ pk., 75c; pk., $1.25; ½ bu., $2.25; bu., $3.75; 100 lbs., $6.00.

Rural New Yorker, No. 2. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size, Known everywhere as "Dusty" Rural.
½ pk., 65c; pk., $1.15; ½ bu., $2.00; bu., $3.50; 100 lbs., $5.50.

Russet Rural or Petoskey. A superb late variety. Remarkable on account of its freedom from disease. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities.
½ peck, 65c; pk., $1.15; ½ bu., $2.00; bu., $3.50; 100 lbs., $5.50.

Carman No. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. ½ pk., 65c; pk., $1.15; ½ bu., $2.00; bu., $3.50; 100 lbs., $5.50.

Green Mountain. Late, maturing in 140 days. It is a drouth resister and makes remarkable crops on poor soils. A loose soil is recommended. In loam it produces tubers of large size and attractive appearance, white fleshed. It is very free from disease.
½ pk., 65c; pk., $1.15; ½ bu., $2.00; bu., $3.50; 100 lbs., $5.50.

CERTIFIED STOCK of above varieties except White Rose. ½ pk., 75c; pk., $1.25; ½ bu., $2.25; bu., $4.00; 100 lbs., $6.25.

SWEET POTATOES

Grown Especially for Seed

We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, and Southern Queen.

Yellows. 10 lbs., $1.35; 50 lbs., $4.25; 100 lbs., $8.00.

Reds. 10 lbs., $1.65; 50 lbs., $5.50; 100 lbs., $10.00.

N. B.—Owing to perishable nature of these tubers we ship by express only.

TREE SEEDS

EVERGREEN seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings partial shade during the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost.

We handle a full line of Tree Seeds. Write for prices.

One pound lots and less include postage.

APPLE. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

ARBOR VITAE (American). Pkt., 10c; oz., 50c; ¼ lb., $1.60; lb., $6.00.

CATALPA SPECIOSA. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.75.

LOCUST, HONEY. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

LOCUST, BLACK OR YELLOW. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

OSAGE ORANGE. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

PEAR, FRENCH. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.75.

PINE, SCOTCH. Pkt., 10c; oz. 40c; ¼ lb., $1.35; lb., $5.00.

SPRUCE, NORWAY. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.75.

TOBACCO SEED

BIG HAVANA. A hybrid Havana. Oz., 45c; ¼ lb., $1.40; lb., $5.00.

CONNECTICUT SEED LEAF. Best adapted to climate of Middle and Northern States. Oz., 45c; ¼ lb., $1.40; lb., $5.00.

BIG ORONOKO. Has no equal for strips and dark wrappers. Oz., 45c; ¼ lb., $1.40; lb., $5.00.

BURLEY. The popular Kentucky sort. Oz., 45c; ¼ lb., $1.40; lb., $5.00.

PUMPKINS

For Pies and Other Purposes

LIKE melons, squash and cucumbers, pumpkins should be sown when the ground is warm and the plants need plenty of room to ramble. The partial shade of the sweet corn plot is an ideal place in the home garden. A few hills will provide amply for pies and jack-o'-lanterns for the fall festivals.

Vaughan's Small Sugar Pie Pumpkin. (See cut.) Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for "more;" the seed cavity is small.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.35.

Vaughan's Mammoth Prize. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late corn season to mature, needs plenty of room (one plant to a hill) to reach its largest size.
Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

Winter Queen or Winter Luxury. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting as russetty as a potato.
Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.50.

JAPANESE PIE. Finest quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

QUAKER PIE. Pear-shaped. Rich flavor and good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

GOLDEN OBLONG. Flesh yellow. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

SWEET POTATO. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

LARGE TOURS OR MAMMOTH FRENCH. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

CALHOUN. A fine pie variety. Pkt. 10c; oz. 15c; ¼ lb., 45c; lb., $1.50.

LARGE CHEESE. Large, flat like a cheese box; very productive. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

VAUGHAN'S SMALL SUGAR PIE PUMPKIN

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

CUSHAW WHITE OR CUSHAW STRIPED. Popular Southern sorts; fine flavor. Either one: Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

PEPPERS, MILD OR HOT

Health Value of Fresh Picked Peppers

Calories per lb., 109. Vitamines A, B, C, D.

		Minerals			
Proteins	1.1%	Calcium	.006%	Chlorine	.013%
Fats	.1%	Magnesium	.010%	Sulphur	.014%
Carbohydrates	4.6%	Potassium	.139%	Iron	.0004%

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family.

Vaughan's Giant Magnum Dulce. This fine pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels, for there are other forms in which to prepare it. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. Vaughan's Magnum Dulce Sweet Pepper can be grown to immense size. Seven inches long and 4 inches through, but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Seed of Magnum Dulce is saved from picked specimens.

Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

California Wonder. See Novelty Page. Pkt., 20c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.50.

New Sweet Upright Salad. Is an early, prolific, good sized, sweet, mild pepper; so mild indeed that it may be eaten raw. In the Northern States it is a most desirable sort; in habit the bushes are of medium height, and bear the peppers upright, not drooping. The size being medium they are just right for stuffing and frying; the bright glossy green color, which turns to a waxen red when ripe, makes this a very attractive pepper. Buy Vaughan's Seed—the best.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Crimson Giant, Early Pepper. An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild.

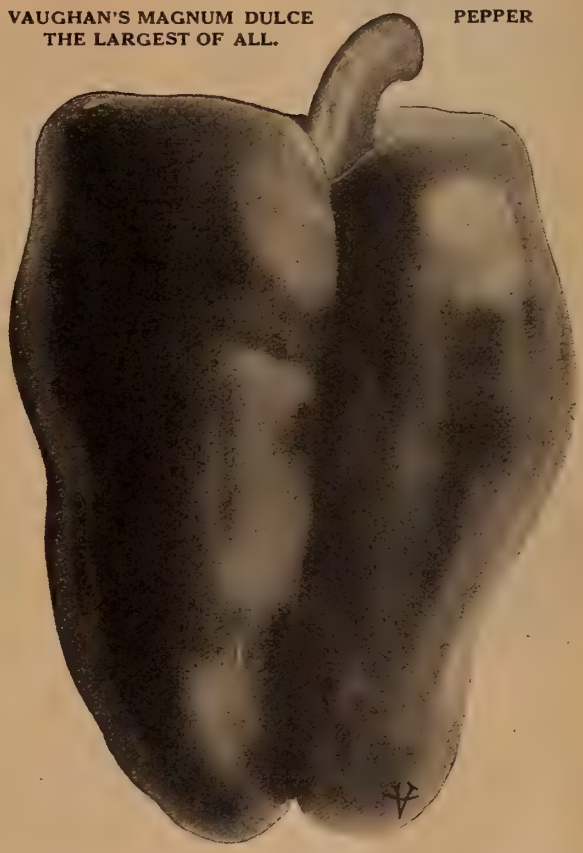
Pkt., 10c; ½ oz., 50c; oz., 90c; ¼ lb., $2.75.

Chinese Giant. This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "king blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., $2.75.

HARRIS EARLY GIANT

VAUGHAN'S MAGNUM DULCE PEPPER
THE LARGEST OF ALL.



Harris' Early Giant. This is the heavy yielder among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches to 2 feet tall; and the peppers 3½ by 5 inches. Color, deep green turning to red; flesh thick and very sweet.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., $2.75.

Hungarian. A long, slender type of hot pepper much prized for canning. It is 1½ inches in diameter at the base and tapers to a point. The fruits are often 10 inches long, and are a pale green turning to a rich red at maturity.

Pkt., 25c; ½ oz., 75c; oz., $1.25; ¼ lb., $4.00.

World Beater. A large sort, a cross between Chinese Giant and Ruby King, having the longer shape and earliness of the latter with the size of the former. Fruits 5 inches long by 3½ in diameter; flesh thick and mild; very productive and a good shipper.

Pkt., 10c; oz., 60c; ¼ lb., $1.75.

RUBY KING. One of the most popular varieties, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender. Pkt., 10c; oz., 50c; ¼ lb., $1.60.

BULL NOSE, Hot. A pungent very early pepper. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

PIMENTO. Flesh extremely thick and very mild. Must be started early in the North to mature its fruits fully. Pkt., 10c; ½ oz., 40c; oz., 60c; ¼ lb., $1.75.

LARGE BELL. Large blocky fruit, usually mild. Popular with home gardeners. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

CAYENNE. Long, red and very hot. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

VAUGHAN'S SWEET MOUNTAIN The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, though sharper than "Upright Sweet Salad," is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 50c; ¼ lb., $1.60.

OTHER PEPPER SORTS

NEAPOLITAN. Early and productive. Flesh thick and mild. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

SWEET SPANISH MONSTROUS. Very mild to the taste. Late maturing Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.

MAMMOTH GOLDEN QUEEN. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.

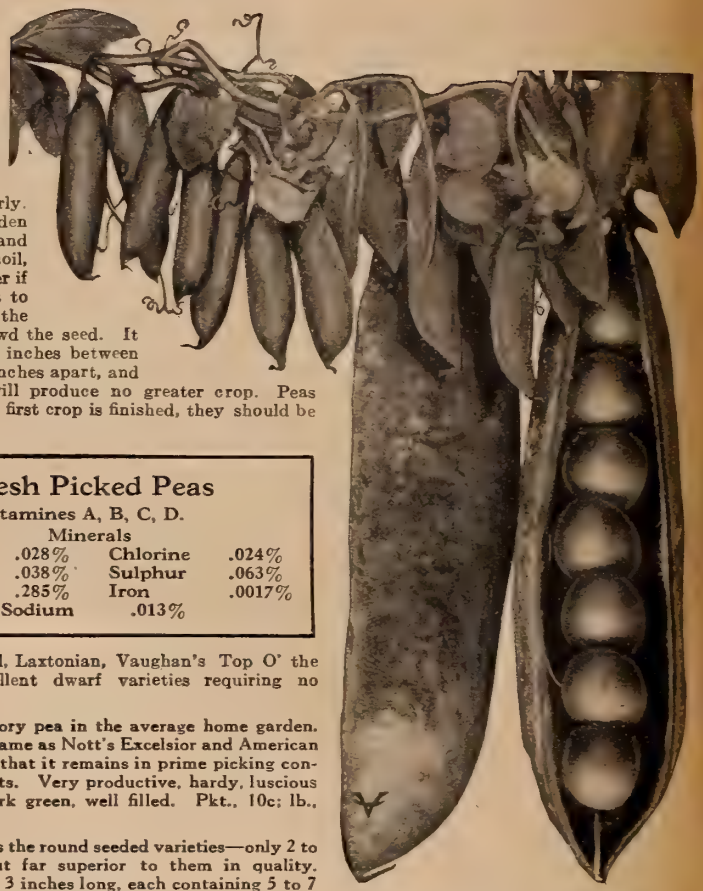
TABASCO. Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00.

RED CHILI. Good hot pickling. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

PEAS, EARLY,

Early Dwarf

LITTLE MARVEL



DWARF DEFIANCE

PEAS are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will put to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop. Peas must be cultivated faithfully and when the first crop is finished, they should be pulled up for they will bear no more.

Health Value of Fresh Picked Peas

Calories per lb., 454. Vitamines A, B, C, D.

		Minerals			
Proteins	7.0%	Calcium	.028%	Chlorine	.024%
Fats	.5%	Magnesium	.038%	Sulphur	.063%
Carbohydrates	16.9%	Potassium	.285%	Iron	.0017%
		Sodium	.013%		

For the Home Garden—Little Marvel, Laxtonian, Vaughan's Top O' the Morn and American Wonder are excellent dwarf varieties requiring no support and yielding well.

Little Marvel. The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Nott's Excelsior. Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

Laxton's Progress. The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Blue Bantam, Hundredfold, Pioneer and Laxtonian. It is an improvement upon Laxtonian, which has hitherto been the finest of the dwarfs for table quality. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.00.

Laxtonian. The New Dwarf Gradus. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, tall, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productiveness. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

American Wonder. Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfer than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

Vaughan's "Top O' the Morn." This is one of the best of the new Dwarf Giant Podded Peas. The vines are of a deep green color, growing 18 inches in height. The pods are blunt-ended, like Nott's Excelsior or Little Marvel, and are produced in clusters all up the haulm, a week later than Laxtonian. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Extra Early Premium Gem or Little Gem. An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

HORSFORD'S MARKET GARDEN. Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

JUNO OR DWARF CHAMPION. Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 10 peas of very best quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

VAUGHAN'S SWEET MARKET. An excellent main crop pea. Its season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet; strong, vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

McLEAN'S ADVANCER. Is a favorite with market growers and canners who consider it the best producer of mid-early sorts. McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

DWARF TELEPHONE OR DAISY. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Increase the yield of your peas by inoculating the seed or soil with "Nitragin"—Nitrogen-gathering bacteria. It is conveniently put up in various sized tins to meet the requirements of home gardeners as well as professional market growers. See page 101.

VAUGHAN'S DWARF DEFIANCE. Pea growers cannot afford to overlook this splendid main crop success: it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong, vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

SUTTON'S EXCELSIOR IMPROVED. Is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Gentlemen:—May I express a word of appreciation for your splendid catalog. It is a great pleasure to peruse it and study the beautiful illustrations.
Yours very truly,
(Signed) Mrs. M. B. SMITH.
423 N. Wapello, Ottumwa, Iowa.

Kindly send at once your new seed catalog. I bought seeds from you in 1927, and they were without exception the best I ever had up here. Would advise that the Rocky Ford Melon Seed I purchased from you nearly ripened on the vine, with outdoor sowing in May. Yours truly,
Box 5, Wartime, Sask. J. LOGAN FIGLEY.

I got some of your seed in 1925, and there was no celery that could compare with it. So I would like to know if I could get the same strain (Golden Plume) that would grow tall with good care. ALBERT DECKER, Fertile, Iowa.

SWEET, TENDER

Early Brush

THOMAS LAXTON

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The early varieties listed on this page grow to three feet high and should be given support of chicken wire, or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much will be found to be of the finest table quality.

For the Home Garden—Maud S. and Alaska for the smooth-seeded sorts and Gradus and Thomas Laxton of the wrinkled type are excellent varieties.

Gradus—Vaughan's Re-selected Stock. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden; it matures fully two or three days later than the hard round extra early sorts. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each.
Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Vaughan's Select Extra Early (First and Best) (Maud S.) Pedigree Extra Early Vines are 20 to 26 inches high, pods 2½ to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor and tenderness of Vaughan's Maud S. are the qualities for which our strain is known by growers and consumers. Seed white, round and smooth; crop ripens evenly and extra early.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

Thomas Laxton. This is a selection of Gradus. The season is identical with Gradus, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. The main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.
Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Alaska—Called Earliest of All. In season same as "Maud S." Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true, always reliable and gives best results. Round seed peas do not rot in cold ground so easily as wrinkled peas do.
Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

THE AMEER. Very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early. 2 or 3 days later than Alaska, and the pods are almost twice as large. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

SURPRISE—The Earliest Pea of Quality. In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S. because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

GRADUS PEA

MARKET SURPRISE—A New Extra Early Pea. A new, smooth seeded, extra early, growing about 30 inches high and bearing its large pods, filled with peas of remarkably fine quality, in great abundance. It is a sturdy grower, with pods larger than Ameer, filled with wonderfully sweet, fine flavored peas. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.65.

TALL GROWING PEAS

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yielding and high quality. Support should be given, and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

For the Home Garden—Improved Telephone and "Quite Content" will give pea of a size and quality sure to win the envy of your neighbors and the prizes at the garden show.

Vaughan's Improved Telephone. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes.
Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder.
Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Admiral Beatty. A very desirable mid-season or early main crop variety. Vines are about four feet high, dark green in color, and produce abundantly large pods well filled with eight to ten peas.
Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.75.

Champion of England. This is a late season tall pea. The vines grow about 5 feet high, are very vigorous and productive.
Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

"Quite Content." This is the largest podded pea, the pods being 5-6 inches in length. It is later than "Vaughan's Improved Telephone;" the vines grow 5 to 6 feet high. They yield large peas of fine flavor. A splendid exhibition sort.
Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.00.

Alderman. This mid-season pea is tall-growing of English origin, and a few days later than "Vaughan's Improved Telephone." Exceedingly vigorous and immensely prolific.
Pkt., 10c; lb., 45c; 2 lbs. 85c; 10 lbs., $2.75.

Everbearing. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality.
Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

Larger quantities of all Peas at 10-lb. rates.

BLACK-EYE MARROWFAT (Late). A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

WHITE MARROWFAT. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

EDIBLE POD PEAS

(Cooked like String Beans)

MAMMOTH PODDED SUGAR. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; 1 lb., 45c; 2 lbs., 85c; 10 lbs., $3.00.

DWARF GRAY SUGAR. Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

Three tall-growing sorts to be planted at the same time to mature successively.

GRADUS
IMPROVED TELEPHONE
CHAMPION OF ENGLAND

1 pkt., each of above, 25c, postpaid.
1 lb., each (3 lbs.) of above, $1.10, Exp. not prepaid.
2 lbs., each (6 lbs.) of above, $1.90, Exp. not prepaid.
10 lbs., each (30 lbs.) of above, $7.25, Exp. not prepaid.

"QUITE CONTENT"

To Please the Eye and Taste as Well, Grow

PARSLEY

VAUGHAN'S XXX PARSLEY

Soup Plants

Fresh vegetables for soup stocks are one of the luxuries of the home garden. Besides Parsley, Parsnip and Carrots, Leek—the Scotch standby—should be tried. The tops of the Celeriac furnish a fine celery flavor as a by-product to the roots.

PARSLEY is one of the vegetables a housewife values most highly in the garden. It is always in demand for garnishing dishes, and often valuable for flavoring soups and stews. It should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. The parsley will not appear until the radishes are ready to harvest.

Rich and mellow soil is desirable for best results with parsley. When the plants are well up thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will start which will be brighter and better curled. Similar treatment may be given from time to time.

The rooted parsley provides excellent flavoring for soups and stews, and also leaves which may be used for garnishing though not so finely curled.

Vaughan's XXX Parsley. "The most beautiful Parsley that ever garnished a dish." An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hotbed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced.
Pkt., 10c; oz. 25c; ¼ lb., 60c; lb., $1.75.

Vaughan's Champion Moss Curled. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is entirely satisfactory.
Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., $1.50.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., $1.50.

PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.25.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. Our strain is of exceptional quality. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., $1.50.

Vaughan's Specials

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.
THERE ARE NONE BETTER

Health Value of Fresh Picked Parsnips

Calories per lb., 294. Vitamines A, B, C, D.

		Minerals			
Proteins	1.6%	Calcium	.059%	Chlorine	.030%
Fats	.5%	Magnesium	.034%	Sulphur	.036%
Carbohydrates	13.5%	Potassium	.518%	Iron	.0006%
			Sodium .004%		

PARSNIPS

For a Harvest Which Lasts All Winter

PARSNIPS should be grown in every home garden not only because of their delicious flavor, but because they may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide.

Vaughan's Marrowfat Parsnips. The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequaled. For exhibition purposes it is a winner.
Pkt., 10c; oz., 20c; ¼ lb., 45c.

Magnum Bonum. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Hollow Crown, Long Smooth. (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection.
Pkt., 10c; oz., 15c; ¼ lb., 35c.

Improved Guernsey. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor.
Pkt., 10c; oz., 15c; ¼ lb., 35c.

Vaughan's New Intermediate. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested.
Pkt., 10c; oz., 15c; ¼ lb., 40c.

VAUGHAN'S MARROWFAT—Handsomest and Best

SPINACHES

New Sorts Slow To Seed

Health Value of Fresh Picked Spinach

Calories per lb., 109. Vitamines A, B, C, D.

		Minerals			
Proteins	2.1%	Calcium	.007%	Chlorine	.074%
Fats	.3%	Magnesium	.037%	Sulphur	.038%
Carbohydrates	3.2%	Potassium	.774%	Iron	.0036%
		Sodium	.125%		

SPINACH delights in cool moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamine investigation.

Long Standing Spinach King of Denmark. (Antvorskov) In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color.
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Princess Juliana. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., these are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants.
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Virginia Savoy Yellows or Mosaic Disease Resistant. A variety originated by the Virginia Truck Experiment Station, a cross between Resistant Bloomsdale Savoy and Manchurian. This is a cool weather variety, for winter in the South and fall in the North. The leaves have markedly the Savoy characteristics.
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Vaughan's Triumph Spinach. Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warted, and fine and tender when cooked.
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

New Zealand Spinach (Tetragonia Expansa). While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.00.

12 VEGETABLES GIVING GREATEST RETURNS

Beans. Stringless Greenpod.
Beets. Vaughan's Fire Ball
Carrot. Early Chantenay.
Sweet Corn. Golden Bantam.
Cucumber. Davis Perfect.
Lettuce. Black Seeded Simpson.
Onion. White Globe.
Parsley. Vaughan's XXX.
Radish. White Tip "Sparkler."
Radish. Icicle.
Swiss Chard.
Tomato. Bonny Best.

OFFER: 12 Varieties. One pkt. each, prepaid, $1.00.

SWISS CHARD

Swiss Chard should be grown in every Home Garden.

NEW LONG STANDING SPINACH "ANTVORSKOV"

Bloomsdale Long Standing. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark) having larger and Savoy type leaves. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

BLOOMSDALE OR NORFOLK SAVOY-LEAVED. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

EXTRA LARGE ROUND LEAF. Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use.

LONG STANDING. Of compact growth with thick deep green leaves Slow to seed.

PRICKLY-SEEDED. Very hardy; sow in fall; for late use.

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth. N. Y. favorite.

Price of the above, except where noted. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

Vaughan's Giant Fillbasket. The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor.
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Victoria Spinach. Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.
Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

SWISS CHARD

The City Gardener's Friend

Swiss Chard—"Cut and Come Again." This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. It can be used all Summer when spinach is not available. The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. As it grows, thin out for use and keep clear of weeds. Good cultivation increases its tenderness. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily idle spaces. The investment is small and returns large. Our packages contain recipes for cooking.
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

COOPER'S MAMMOTH. This new mammoth sort is a medium green-colored variety of immense size—large chard or mid-rib of excellent quality and flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

GARDEN SORREL. Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

RADISHES FOR SPRING.

VAUGHAN'S SELECT SCARLET GLOBE

(F)—Forcing Sorts

Vaughan's sale of Radish Seed to the many under-glass gardeners—growers of lettuce and radish — runs into thousands of pounds annually. Many of them buy our seed months in advance and keep these special strains always on hand.

RADISHES supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner; so they must be harvested promptly and will not enjoy hot weather. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather.

Health Value of Fresh Picked Radishes

Calories per lb., 133. Vitamines A, B, C, D.

		Minerals			
Proteins	1.3%	Calcium	.021%	Chlorine	.054 %
Fats	.1%	Magnesium	.012%	Sulphur	.041%
Carbohydrates	5.8%	Potassium	.218%	Iron	.0006%
		Sodium	.069%		

Early Scarlet Globe Forcing (F). Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright, scarlet in color, of uniform globe-shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

VAUGHAN'S SELECT STOCK—Pkt., 15c; oz., 25c; ¼ lb., 45c; lb., $1.40.

STANDARD STOCK—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Scarlet Turnip White Tip. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with white tip and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

VAUGHAN'S "SPARKLER" STRAIN FOR OPEN GROUND—Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

AMERICAN-GROWN—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Saxa. This is an European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; ¼ lb., 45; 1 lb., $1.40.

Earliest White Turnip or White Box. Good for forcing or open ground, tops are short and tap root thin. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

Giant Butter. This is by far the largest of the early turnip radishes exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine, round shape. In color it is vivid scarlet. It is further characterized by ability to stand for an unusually long period without becoming pithy and is highly recommended for home gardens.

Pkt., 10c; oz. 20c; ¼ lb 45c; lb., $1.40.

Vaughan's 20-Day. Extra Early (F) Olive-Shaped. The quickest Red Olive-shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.40.

Improved Breakfast (F). An excellent early olive-shaped radish about 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Olive-Shaped Deep Scarlet. Similar to Vaughan's 20-day.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb.,$1.25.

Vaughan's Cardinal Forcing (F). Is a splendid marketing radish; of the Globe-shaped sorts it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.40.

HALF LONG DEEP SCARLET (F). This is good for forcing, it is brittle and mild. It is much grown in the South for early shipment. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

CINCINNATI MARKET. A long red radish, white tip, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

CRIMSON GIANT (F). For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow seed thinly to permit root growth. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

VAUGHAN'S ALL SEASONS. May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

EARLIEST WHITE OLIVE (F). Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

EARLIEST CARMINE TURNIP (F). The best and quickest all-red turnip-shaped radish, matures in about 21 days. For forcing under glass it excels, and for outdoor planting in the home garden it is one of the best varieties. Crisp, sweet and tender, leaves very short. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

Giant Butter is the largest early globe, and does not turn pithy soon. Fine for home gardens.

VAUGHAN'S 20-DAY

BRIGHTEST LONG SCARLET. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Usually ready for the table in 25 days from planting. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

TRIUMPH. A very early, handsomely mottled red and white striped, short topped radish of good quality, especially attractive. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

EARLY SCARLET GLOBE WHITE TIP. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

NON PLUS ULTRA (F). Scarlet turnip-shaped. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

OTHER GOOD RADISH KINDS

Price, any of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

FRENCH BREAKFAST. Quick and handsome.

EARLY DEEP SCARLET TURNIP. An old standby.

GOLDEN YELLOW SUMMER Turnip. Smooth.

Onion Sets, producing the succulent "Early Green Onion," is the one crop which offers quicker returns than radishes in the garden—page 28.

SCARLET TURNIP, WHITE TIP "SPARKLER" STRAIN

SUMMER AND WINTER

They may be stored like turnips for winter use.

Root maggots sometimes attack radishes. The best way to avoid them is to reject rank manure for the radish bed and sow on ground where no root or cabbage crop grew the year before. A succession of crops may be obtained either by sowing the olive or globe or long types simultaneously, or by making successive sowings of a favored variety, remembering that little success will be had with earlier sorts in the hot weather. **(F)—Forcing Sorts.**

Icicle—The Finest White Radish. An ideal white radish—long slender root which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Each of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

CALIFORNIA MAMMOTH WINTER. Long, very large size.

ROSE OR SCARLET CHINA. Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. Like Long Black, only round.

LONG WHITE SPANISH. Like Long Black, except color.

LONG HALF BLACK WINTER. Fine sort.

SAKURAJIMA. A Japanese radish of immense size. In shape it is oval with cream-colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Early Long Scarlet Short Top

A long, straight, smooth, red radish; it grows partly above ground; developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

Olive Crystal

Those who like the Sweet Radish will find in this one that which is really ideal in a fine variety of this quality. This new sort matures early, grows a very small top and has a very small tap root. An added feature is that it may be planted early without running to seed. Price, Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. All of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

IMPROVED CHARTIER. Some what resembling Brightest Scarlet. It is double the size and later; long scarlet tipped with white.

LONG WHITE VIENNA. Snow white, very brittle and crisp.

WHITE STUTTGART. A turnip-shaped, large white radish.

WHITE STRASSBURG. Larger size and thicker than Vienna. Very solid.

OLIVE CRYSTAL

TABLE TURNIPS

TURNIPS are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

A loose and fertile soil is needed to mature early turnips rapidly, and avoid a bitterness which develops when growth is checked. The plants should be thinned to stand three inches apart, and then the half grown roots should be harvested alternately.

For the Home Garden—Any of the table turnips and rutabagas listed on this page will be found satisfactory.

Purple Top White Globe. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Splendid for table—tiptop for stock.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.00 (by express).

Purple Top Strap-Leaved. Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh, fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.00 (by express).

EARLY WHITE MILAN is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

GOLDEN BALL or ORANGE JELLY. Medium size, globular table turnip. Season early. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

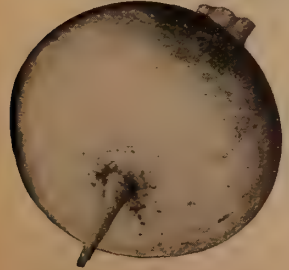
TELTOW. Small in size; a German delicacy of remarkable quality. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

WHITE FLAT DUTCH. A very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern States; is medium sized, sweet, tender and desirable for table use. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

EARLY SNOWBALL. Small, white, grows quickly, splendid table quality. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

SEVEN TOP. A variety much grown in the South for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

LARGE YELLOW or AMBER GLOBE. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.



PURPLE TOP MILAN

WHITE FLAT DUTCH

Health Value of Fresh Picked Turnips

Calories per lb., 178. Vitamines A, B, C, D.

		Minerals			
Proteins	1.3%	Calcium	.064%	Chlorine	.041%
Fats	.2%	Magnesium	.017%	Sulphur	.065%
Carbohydrates	8.1%	Potassium	.338%	Iron	.0005%
		Sodium	.056%		

Extra Early Purple Top Milan. An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

TABLE RUTABAGAS

Vaughan's Improved American Purple Top is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow, on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25; 5 lbs., $5.00.

Bangholm Danish. Yellow flesh, purple top with small neck. This variety has excellent table quality and is recommended for home gardeners. Danish pedigree seed. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

Prices of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

LAING'S GARDEN RUTABAGA. Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts.

WHITE SWEDE. White, solid.

SWEET GERMAN. A fine table sort, white flesh, excellent keeper.

SUTTON'S CHAMPION. Round, big yielder, yellow flesh. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

BREADSTONE. Medium size, white roots. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

CARTER'S IMPERIAL. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

SKIRVING'S. Large yellow. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

SWEDES AND RUTABAGAS—for Stock

Monarch. A stock crop for early feeding, oblong shape, yellow flesh, fine grain, good flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

Rhode Island Rock. Great improvement on White French Turnip made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

LARGE FIELD TURNIPS—for Stock

WHITE EGG. Quick growing, egg-shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves; never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

LARGE WHITE NORFOLK. Globular, late, solid. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

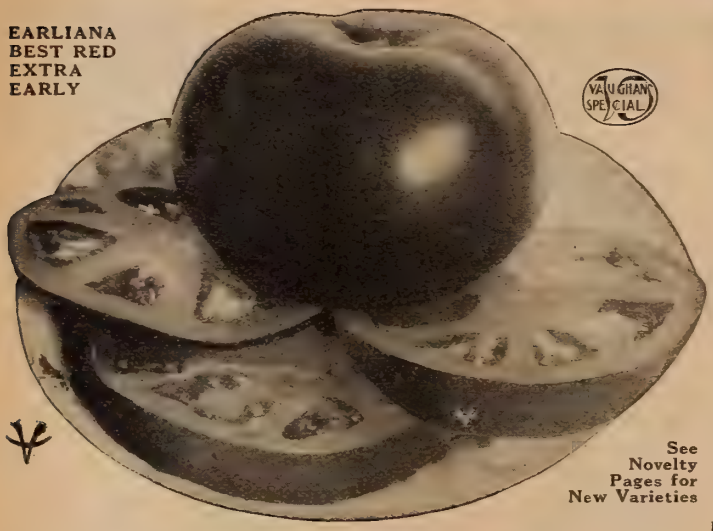
COW HORN or LONG WHITE. Grows nearly half way out of the ground, carrot-shape, usually slightly bent; pure white. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

POMERANIAN WHITE GLOBE. Large, good both for table and stock. Pkt. 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

YELLOW ABERDEEN. Large globe-shaped table and stock variety. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

TOMATOES OF EVERY

EARLIANA BEST RED EXTRA EARLY



See Novelty Pages for New Varieties

John Baer. A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days' difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Bonny Best. Regarded as a shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Vaughan's New York. A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. It is a second early red-skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40.

ACME—Early (Purple). Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

EARLY DETROIT (Purple). The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.60; lb., $5.50.

BEAUTY (Purple). Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

DWARF ARISTOCRAT. This is a scarlet Dwarf Champion. The size, shape, form and color are nearly perfect for home use. It will be found good under glass and for early market out-of-doors. It may be planted 3x3 feet, making it ideal in home gardens. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.50.

MATCHLESS. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

Ft. Recovery, Ohio, March 7, 1928.
We had been troubled with our cabbage turning yellow and dying so that in 1925 we didn't save six heads. So in 1926 I bought some of your Yellow Resistant, and I wish you could have seen our cabbage patch. It only had 48 heads in it, but they were about 11 inches in diameter, and all just exactly alike—and not a yellow leaf in the bunch. Mrs. EDWARD KOCH.

VAUGHAN'S IMPROVED NEW STONE

IMPROVED NEW STONE. "King of the Reds." The very best of the main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Canners plant it for their main crop and market-gardeners find it their most profitable sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

CHALK'S EARLY JEWEL. The original large smooth extra early red, much planted by canners in the Northern States — many still prefer this to Bonny Best. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Our trial ground or experiment department is always anxious to receive criticisms of stocks or strains with an aim to better them. Also, if varieties you are using are not suited for your use, we may be able to help you with suggestions.

Health Value of Fresh Picked Tomatoes

Calories per lb., 104. Vitamines A, B, C, D.

		Minerals			
Proteins	.9%	Calcium	.011%	Chlorine	.034%
Fats	.4%	Magnesium	.010%	Sulphur	.014%
Carbohydrates	3.9%	Potassium	.275%	Iron	.0004%
		Sodium	.010%		

TOMATOES are an ideal home garden crop, thriving in a clay soil none too fertile and yielding heavily in small space. They should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner, though satisfactory crops are produced by allowing the vines to lie on the ground.

For the Home Garden—Earliana for the first crop, John Baer second early, and Stone for the main crop are the most popular and are of excellent quality. For those who prefer a large size fruit, plant Ponderosa, Crimson Cushion or Enormous.

Vaughan's Select Earliana. Very popular Early Red. Vaughan's Earliana is the earliest large, smooth bright red tomato. In season it ripens with the earliest, and our strain shows few, if any, of the rough fruits found in large numbers in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

June Pink—The Best Extra Early Pink. In many, perhaps the greater number of markets, a pink early tomato is most desired. This is the earliest of the pink varieties, and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50; lb., $5.50.

Avon Early Tomato. This is a scarlet-fruited variety of the very earliest class. It bears as quickly as Earliana, produces fruits of good size, round or slightly flattened, smooth and free from cracks and of fine quality. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

Hudson Valley Maid. This new potato-leaved variety, in trial, showed up remarkably well during a dry, off season, the potato-leaved sorts seeming to possess a hardiness that few of the ordinary leaved sorts have. It is second in season, of good size, smooth and bright red. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

Vaughan's American Beauty. See Novelty page. Pkt., 25c; ½ oz., 60c; oz., $1.00.

Disease Resistant Sorts

NORTON or WILT RESISTANT STONE. Introduced by the United States Department of Agriculture. It is the result of work accomplished by Dr. Prichard to produce a variety resistant to Fusarium Wilt. It is a good variety in disease free soil resembling closely the Improved Stone, perhaps a little later than Stone. It is very prolific. The fruit is smooth and bright red. Pkt., 10c., ½ oz., 30c; oz., 50c; ¼ lb., $1.75.

MARGLOBE. See Novelty page. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00.

MARVELOSA, pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00.

NEW KING. See Novelty page. Pkt., 25c.

DWARF CHAMPION

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

BONNY BEST. The most popular American variety for forcing. Forcing strain. Pkt., 25c.

FROGMORE SELECT. Almost round, small seed cavity, bright red. Pkt., 25c.

LISTER'S PROLIFIC (New). Latest popular English sort. Pkt., 25c.

STIRLING CASTLE. Small size, uniform and very productive. Pkt., 25c.

LORILLARD. One of the best known and popular kinds. Pkt., 25c.

FILL BASKET (New). One of the best of the English Forcing varieties. Vine heavier than Sunrise. Fruit set in clusters of three to five. Color, scarlet; heavy yield. Pkt., 25c.

COLOR AND TYPE

Dwarf Stone—The Largest Dwarf Tomato. This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing ¾ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

Ponderosa—The Giant Tomato. Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.
Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75; lb., $6.00.

Dwarf Champion. A good sort for the home garden. Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.30; lb., $4.50.

Gulf State Market Tomato. This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50; 1 lb., $5.00.

New Globe Tomato. This new Globe or Ball-Shaped tomato is ideal for the home garden; it is excellent for slicing. The rich, juicy, tomato flavor gives a certain zest and joy in the eating. The fruits ripen with the second earliest. They yield a heavy crop and continue to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds.
Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.60; lb., $5.50.

Golden Ponderosa. A Yellow Gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.
Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75; lb., $6.00.

CREAM CITY. This is one of the very first large tomatoes to ripen. Smooth, always round and good size. The color is purplish crimson, similar to Acme. Flesh thick, firm and solid, with few seeds. Good shipper. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50; lb., $5.00.

VAUGHAN'S TALL CHAMPION. An extremely strong grower and heavy bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

ENORMOUS. Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through at once. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

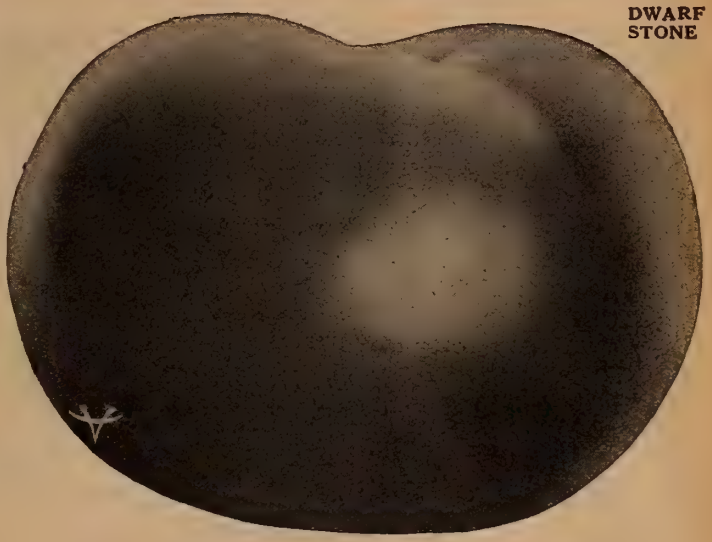
CRIMSON CUSHION or BEEFSTEAK. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75; lb., $6.00.

MAGNUS. Potato-leaved; an early main crop, strong growing vines, a heavy cropper. Fruit is globe-shape, and ripens evenly. Pkt., 10c; ½ oz. 20c; oz., 35c; ¼ lb., $1.15; lb., $3.50.

OTHER STANDARD SORTS

GOLDEN QUEEN. Golden yellow. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.30; lb., $4.50.

EARLY MICHIGAN. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.30; lb., $4.50.

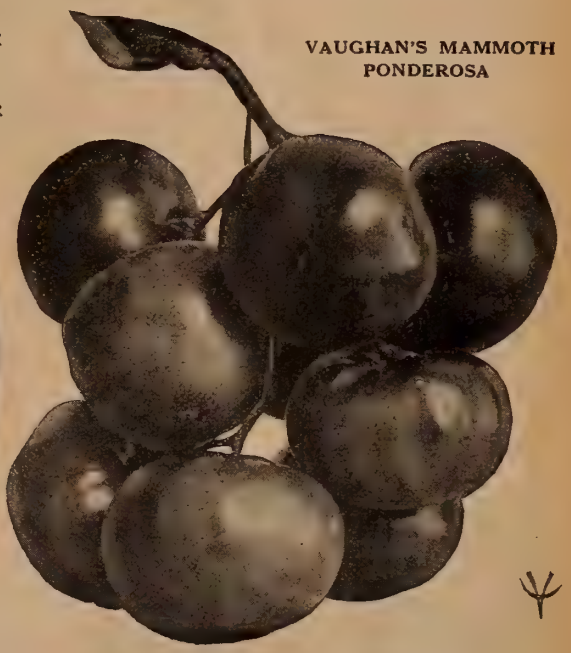


DWARF STONE

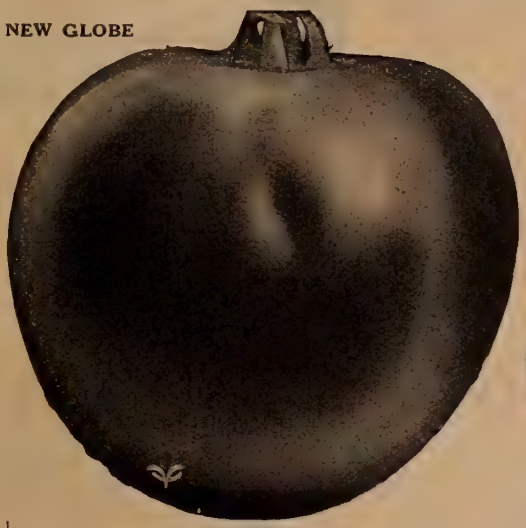
Lode Calif., July 26, 1929.
I have been very much pleased with all the things I have bought from you. I always have good luck with your seeds.
Yours very sincerely, (Miss) VERA BECKMAN.

A SINGLE CLUSTER

VAUGHAN'S MAMMOTH PONDEROSA



NEW GLOBE



SMALL-FRUITED TOMATOES

Very Desirable for Pickles and Preserves.

NEW GRAPE OR CLUSTER, NAPOLEON. This is the best of the so-called "dessert" tomatoes which are eaten whole. Immensely productive; sometimes 40 to 60 of the small fruits fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is delicious. Pkt., 15c; ½ oz., 35c; oz., 60c.

RED CURRANT. Very small. Pkt., 10c; ½ oz., 40c; oz., 75c.

RED CHERRY. Small fruit, bright, scarlet. Pkt., 10c; ½ oz., 40c; oz., 75c.

Prices of the following: Pkt., 10c; ½ oz., 40c; oz., 75c.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long, 1 inch through; the one is lemon-yellow, the other plum-red.

YELLOW AND RED PEAR. Distinct shape.

HUSK or STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Kellogg, Iowa, Feb. 25, 1928.
Gentlemen:
We have been ordering our seeds from you for a number of years and wish to tell you that they have always been perfectly satisfactory and we have had a very successful garden. We have been able to interest a number of our friends in your seeds and they, too, have been equally well pleased.
Trusting that our order will be as satisfactory this year as usual, I am,
Yours truly,
HELEN DAVIS HILL.

Minnesota City, Minn., Feb. 21, 1929.
Vaughan's Seed Store, Chicago.
Please send me your seed catalogue of flowers. Last summer I chanced to see some Zinnias that were raised at Rochester, Minn. The seeds were purchased from you. The most beautiful I ever had seen.
Mrs. J. Q. BURLEY.

SWEETER SQUASHES

NEW SQUASH "TABLE QUEEN"

New Squash Table Queen, "Des Moines." We can truly say that the height of Squash quality is still unknown to one who has not eaten half a Table Queen, baked and buttered. In size Table Queen equals a fair sized husked coconut, and a half, baked, serves one person amply. The shell is unusually thin and it does not require over twenty minutes for baking or boiling. The color is dark green changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (**Cucurbita Pepo.**)
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

New Squash "Kitchenette" (Hubbard). A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. In season they are two weeks earlier than the Hubbards. (**Cucurbita Maxima.**)
Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

Golden Hubbard. Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. The skin is deep orange yellow and very attractive. Flesh is deep golden yellow, fine grained and delicious. (**Cucurbita Maxima.**)
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.40.

Original Hubbard Squash. Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, the flesh is bright orange color, fine grained, dry and thick. (**Cucurbita Maxima.**)
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.40.

Vaughan's Chicago Warted Hubbard. Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; fruits are of large size, rough skin, dark green in color, flesh is bright orange, fine grained, rich and dry. (**Cucurbita Maxima.**)
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

YELLOW SUMMER CROOKNECK. The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.40.

EARLY WHITE BUSH. Very early. (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

MAMMOTH YELLOW BUSH. Like Mammoth White Bush. The fruit runs a little larger. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. (**Cucurbita Maxima.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

MAMMOTH CHILI. A popular exhibition sort. Specimens grow as large as 150 pounds. Rich orange yellow color. (**Cucurbita Maxima.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

FORDHOOK—Early. Ripens early and is one of the best keepers. Can be kept through the winter until June. Is very prolific, and nearly bug and borer proof. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the Mammoth. (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

CHICAGO ORANGE MARROW Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season — Sept. to Jan. (**Cucurbita Maxima.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

ESSEX HYBRID—Turban Shape. For fall or winter; large broad fruit; skin and flesh orange-red. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

BUSH FORDHOOK SQUASH. A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety, whether for summer or winter use. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Health Value of Fresh Picked Squash

Calories per lb., 209. Vitamines A, B, C, D.

		Minerals			
Proteins	1.4%	Calcium	.024%	Potassium	.180%
Fats	.5%	Magnesium	.012%	Iron	.0006%
Carbohydrates	9.0%	Sodium	.004%		

SQUASH are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

Vegetables popularly known as pumpkins and squashes are all members of the family Cucurbita; and it has long been known that their popular classification did not agree with their botanical relationship. Many so-called pumpkins belong to the species to which most so-called squashes belong; while numerous so-called squashes, including the marrows, are botanically members of the species in which most pumpkins are included.

Recently there has been agitation in favor of reclassifying these vegetables in seed catalogs, on the basis of their botanical status, including as pumpkins all members of the species Cucurbita Pepo and C. Moschita; while classifying as squashes, the species Cucurbita Maxima only.

Since the botanical classification has no significance for the home gardener, or housewife, and it could only create confusion among seed users to list, for example, the delicious squashes Table Queen, and Sweet Potato, as pumpkins, we have decided to continue the classification to which our customers are accustomed. But following the description of each variety we give in parentheses, the botanical classification, as Cucurbito Pepo, C. Moschita, or C. Maxima, as the case may be.

NEW SQUASH SWEET POTATO

"Sweet Potato." A valuable addition to the list of small squashes, is of fine flavor, becoming a popular feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. (**Cucurbita Pepo.**)
Pkt., 15c; oz., 35c; ¼ lb., 75c; lb., $2.50.

Banana Squash. A very fine quality squash, free from stringiness, about 18 inches long, tapering to a point at either end. Grayish green color. Prolific. (**Cucurbita Maxima.**)
Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Vaughan's Giant Summer Crookneck. Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The flesh is a rich golden yellow, the quality and flavor of which is the very best. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

Vegetable Marrow. This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking. (**Cucurbita Pepo.**)
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

Cocozelle (Italian Vegetable Marrow). A bush summer variety. Fruits oblong, ribbed, 12-16 inches in length. Color dark green marbled with yellow and dark green stripes. Very fine flavor. (**Cucurbita Pepo.**)
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

Zucca Pergola. A vegetable marrow which grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. (**Cucurbita Pepo.**) Pkt., 20c; oz., 50c; ¼ lb., $1.50.

New Italian Marrow. (**Cucurbita Pepo.**) See Novelty Page 10. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

The Delicious—For Quality. A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color. (**Cucurbita Maxima.**)
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

Mammoth White Bush. Is an improved selection of the old "Early White Bush," the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Vaughan's Annual Flower Seeds

Surprise Garden Mixture

5848 Our Surprise Garden of Annuals has created a place for itself at the beginning of our colored pages—Yearly our friends find something new and fascinating in it which they include separately in their order the following year. We buy for this mixture surplus stock seed from our growers besides named varieties and separate colors of many flowers which are attractive and easily grown but little known. Indeed there are so many flowers produced from early until late in endless succession it is a continual surprise to the gardener.

Plant freely but not too thickly in rows in the vegetable or picking garden. One of our customers wrote us from Detroit on August 5—"I am very happy to inform you of the splendid success of the order of seeds I sent you. All have done well but in my opinion the finest value of any seed house in the country is contained in your Surprise Collection. We have at our summer cottage from this package one thirty foot strip and three fifteen foot strips of the nicest flowers one could imagine and have cut bouquets daily since July first. The many unusual flowers contained in the package makes the collection a real delight. This collection should be in every garden no matter how large or small." Oz., 25c; ¼ lb., 75c; lb., $2.60.

ABRONIA

100 **Umbellata Grandiflora (Sand Verbena)** □ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers of bright rose with white center; it delights in a dry, poor soil and sunny situations on rockwork. Pkt., 10c.

ABUTILON

122 **Maximum Giant-Flowered Mixed (Flowering Maple)** ÷ 3 to 4 ft. Will flower in 6 months from seeding. Blooms under glass all seasons of the year and out-of-doors during summer and fall. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers. Pkt., 25c.

ACROCLINIUM ROSEUM

A pretty Everlasting bearing graceful, daisy-like flowers, which, when cut in the bud state, can be dried and used for winter bouquets. Blooms six weeks from time of sowing. Height 20 in.

150 **Double Pink.** 155 **Double White.**
160 **Single Mixed.** 165 **Double Mixed.**
Each of the above, Pkt., 10c; ¼ oz., 30c.

Acroclinium for Winter Bouquets

Key to Symbols

□ **Annuals.** These attain full growth from seed, flower and die first year.

✱ **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year.

① **Perennials.** Tender, grown as annuals.

÷ **Greenhouse Plants.** Start inside and cultivate in pots or else transplant outside when danger of frost is over.

+ **Stove Plants.** To be grown inside all the year round for pots only.

= **Climbing Plants.**

ACHIMENES

130 **Best Mixed** ÷ Flowers tube-shaped in many attractive colors. Nearly all have throats and veins of contrasting shades. Suitable for hanging baskets and pots. Blooms in 6 months from seed. Pkt., 50c.

ADONIS □

170 **Aestivalis (Pheasant Eye).** 1 ft. Pretty, early blooming annual with deep crimson flowers and feathery foliage. Sow where plants are to remain. Pkt., 10c.

171 **Autumnalis.** 2 ft. Plant somewhat straggly growth with finely divided foliage. Flowers rich scarlet freely produced. Pkt. 10c.

AGAPANTHUS

175 **Umbellatus (Blue Lily of the Nile)** 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. Greenhouse plant in the North. Pkt. 15c.

AGERATUM □

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot, dry summer months their bright flowers are produced in the greatest profusion. The taller sorts are useful for cutting.

180 **Mexicanum Coeruleum.** 18 in. Beautiful soft lavender-blue, of free branching habit. Pkt., 10c; ¼ oz., 30c.

185 **—Album.** White. Pkt., 10c.

190 **—Mixed.** Pkt., 10c.

195 **—Nanum, Blue Perfection.** 9 in. The darkest Ageratum grown from seed. Pkt., 10c; ⅛ oz., 25c.

AGERATUM—Continued

202 **Mexicanum Imperial Dwarf Blue.** 6 in. A charming variety of compact growth, covered with heads of feathery flowers of a deep lavender color. Pkt., 10c; ⅛ oz., 25c.

205 **—Imperial Dwarf White.** 6 in. Pkt., 10c.

208 **—Little Dorrit White.** 6 in. The best dwarf white ageratum. Pkt., 15c.

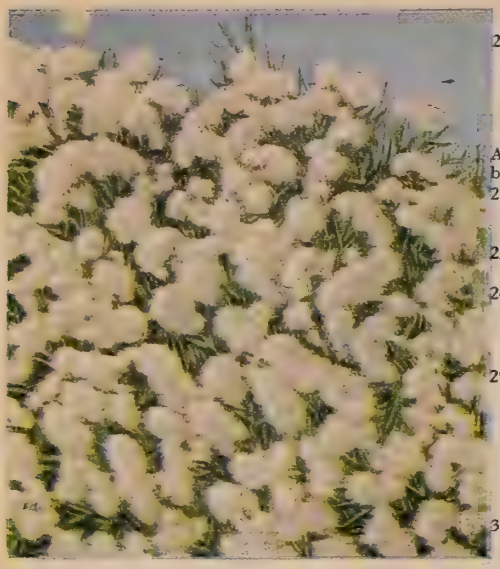
209 **—Little Dorrit Blue.** 6 in. Dwarf. Azure blue. Pkt., 15c; ⅛ oz., 25c.

215 **—Princess Victoria Louise.** 6 in. Bushy plants covered with sky-blue flowers with white centers. Pkt., 10c; ⅛ oz., 25c.

217 **—Tom Thumb Little Blue Star.** 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c; ⅛ oz., 50c.

220 **Lasseauxi.** 3 ft. Clusters of handsome rose-colored flowers. Pkt., 10c; ⅛ oz., 25c.

Ageratum Blue Perfection



Alyssum Vaughan's Little Gem

ALYSSUM □

250 **Benthami Maritimum (Sweet Alyssum).** 10 in. Flowers white and honey-scented. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb., $2.25; ¼ lb., 60c; 2 ozs., 40c; 1 oz., 25c; ½ oz., 15c; pkt., 10c.

255 **Vaughan's Little Gem, Snow-white Carpet Plant.** 4 in. The plants grow so dense and are so completely covered with snow-white blossoms they create the impression of a beautiful snow-white carpet. 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; ¼ lb., $2.40; 1 lb., $8.00; pkt., 10c.

257 **Little Dorrit, White.** 4 in. It forms perfect little bushes, fairly smothered with miniature white flowers. A gem for edging and beds. ¼ oz., 30c; pkt., 15c.

260 **Compactum Lilacinum, Lilac Carpet Plant.** 9 in. Distinct variety with delicate lavender flowers. ¼ oz., 25c; ½ oz., 40c; oz., 75c. Pkt., 10c.

261 **Compactum Lutescens.** 8 in. Dwarf, cream or straw color. ¼ oz., 25c; ½ oz., 40c; oz., 75c; pkt., 10c. **See also Perennial Pages.**

AGROSTEMMA

230 **Coeli (Rose of Heaven)** □ 1 ft. Remarkably pretty, hardy annual of light, graceful habit; flowers light rose, shaded white. Should be sown in the vegetable garden (as you would radishes) at different intervals, and a continuous supply of lovely cut flowers can be had all summer. ¼ oz., 25c; pkt., 10c.

Amaranthus Tricolor (Joseph's Coat)

AGROSTIS

235 **Nebulosa (Cloud Grass)** □ 1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt., 10c.

ALONSOA

Attractive little plants with gay flowers adapted for borders.

238 **Linifolium (flax leaved)** □ 1 ft. Forms symmetrical and graceful plants with scarlet flowers. Pkt., 10c.

239 **Mutisii.** □ 1 ft. Compact plants covered with rosy chamois flowers. Pkt., 10c.

240 **Warscewiczi** □ 15 in. Foliage dark green; racemes of bright scarlet flowers. Pkt., 10c.

AMMOBIUM

295 **Alatum Grandiflorum.** □ 2½ ft. This "Winged Everlasting" is one of several annuals which produce dry chaffy flowers, capable of being dried and preserved for winter decoration. It bears silvery-white, yellow-centered blooms in loose panicles. Pkt., 10c.

ANAGALLIS

305 **Grandiflora Mixed** □ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots. Pkt., 10c.

307 **Grandiflora Coerulea.** □ 8 in. It is one of the most charming and conspicuous of our low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue color. Pkt., 15c; ¼ oz., 50c.

ANCHUSA

310 **Capensis (Summer Forget-me-not).** □ 2 ft. A showy plant with bright Gentian-blue flowers, borne in drooping racemes from July to October. The stems and leaves are hairy. Similar in all respects to the Forget-me-not, though the blossoms are much larger and of finer color. Pkt., 10c; ⅛ oz., 25c.

See also Novelties and Perennial Pages.

ANGEL'S BREATH—See Gypsophila Elegans.

ANTIGONON

315 **Leptopus (Mexican Mountain Rose)** = Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt., 10c.

ANTIRRHINUM—See page 43.

ARGEMONE

460 **Grandiflora (The Prickly Poppy)** □ 2 ft. They have branching prickly stems with glaucous leaves with spiny margins. The large Poppylike, white flowers of silken texture with a mass of golden anthers in the centers makes them additionally attractive. Pkt., 10c.

ARTEMISIA

470 **Sacrorum Viridis (Summer Fir)** □ Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich, dark green color. Pkt., 15c ⅛ oz. 30c.

AMARANTHUS □

Coarse annual plants, grown for foliage and the showy flower clusters. Related to the Cockscomb. They thrive best in a hot and sunny situation. In very rich soil the leaves become very large but usually lack in bright coloring. Give plenty of room.

265 **Atro-purpureus.** 4 ft. Beautiful, dark purple flowers. Pkt., 10c.

267 **Caudatus (Love Lies Bleeding).** 3 ft. Drooping red spikes. Pkt., 10c.

269 **Cruentus (Prince's Feather).** 3 ft. Dark red feathery flowers. Pkt., 10c.

270 **Molten Fire.** The top leaves are a fiery crimson, the lower ones maroon. Pkt., 15c.

273 **Salicifolius (Fountain Plant).** 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit. Pkt., 10c.

275 **Tricolor (Joseph's Coat).** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. Pkt., 10c.

285 **Vaughan's Special Mixture.** A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 15c.

Arctotis Grandis

ARCTOTIS GRANDIS □

Blue-eyed African Daisy

450 It forms much branched bushes 2 to 3 feet high; its daisy-like flowers are pearly white with a gold band surrounding a delicate mauve center. It is not only pleasing when open, but also when it closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. Pkt., 10c; ⅛ oz. 30c.

ASPARAGUS

480 **Plumosus Nanus (Lace Fern)** + 3 ft. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 10 seeds, pkt., 15c.

485 **Sprengeri (Emerald Feather)** + A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 10 seeds, pkt., 15c.

ASTERS—See pages 44, 45.

ASPERULA

490 **Azurea Setosa** □ 1 ft. A dainty annual bearing sky-blue flowers in terminal clusters from June to August. Blooms freely and possesses a delicate perfume. Very effective in a large bed. Pkt., 10c.

For Asperula Odorata, see Perennial Pages.

BABY BREATH—See Gypsophila Paniculata.

BALLOON VINE

995 **Love in a Puff** □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. The effect is most odd and curious. Pkt., 10c; oz., 35.

Balloon Vine

Antirrhinum (Snapdragon) □

For gorgeous coloring few flowers can match Snapdragons. The flowers are of very large size, very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut flowers. They are easily raised from seed in any rich sunny bed. For continuous flower keep seed pods nipped off. If intended for winter flowering inside, cut back in September.

Maximum Giant Flowered, 32 inches

These are a wonderful advance in size over all other varieties, each bloom measuring 2 to 3 inches across.

410A **Appleblossom.** Rosy pink, white throat.
410B **Bunch of Lilacs.** Deep lilac.
410C **Canary Bird.** Canary yellow.
411 **Copper King.** (Indian Summer.) Velvety copper-scarlet.
412 **Defiance.** Brilliant scarlet.
413 **Delicate Shades.** A mixture of soft pastel shades.
414 **Fire Flame.** Dark purple and yellow with white throat.
415 **Gotelind.** Light copper, old rose throat.
416 **Golden Queen.** Golden yellow, lilac-rose throat.
418 **Old Gold.** Golden yellow, old rose throat.
419 **Purple King.** Velvety dark garnet.
420 **Ruby.** Velvety ruby-red.
421 **The Rose.** Rose pink.
423 **Snowflake.** Pure snow-white, yellow tube.
423A **Wallflower Colors.** Brown with violet throat.
Each of the above, pkt., 15c.
424 **Maximum or Giant Flowered Mixed.** All the above and others. ⅛ oz., 30c; pkt., 15c.

Semi-Tall Sorts, 18 to 20 inches

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

363 **Amber Queen.** Amber overlaid chamois pink, gold lip.
364 **Aurora.** Cinnabar carmine white throat.
368 **Black Prince.** Nearly black, small dark leaves.
371 **Bonfire.** Orange or flame color.
373 **Buff Queen.** Rose, canary lip shaded orange.
377 **Canary Bird.** Light lemon-yellow.
382 **Crimson Queen.** Rich crimson.
381 **Daphne.** Deep rose, pink white tube.
378 **Defiance.** Cinnabar scarlet.
379 **Empress.** Rich velvety crimson.
383 **Fascination.** Pale pink.
384A **Fire King.** Orange scarlet, white throat.
385 **Firebrand.** Fiery orange-scarlet.
386 **Gloria.** Rich deep rose and white.
390 **Golden Queen.** Rich yellow.
393 **Grenadier.** Vivid orange, white throat, yellow lip.
396 **Mauve Beauty.** Rosy mauve.
397A **Mont Blanc.** White.
398 **Nelrose.** Old rose, shaded blush.
399 **Peerless Pink.** Cameo pink, white lip.
404 **Prima Donna.** Terra cotta-pink, white throat.
403 **Queen of the North.** Large white flowers.
405 **Rose Dore.** A self-salmon-rose, shaded gold.
407 **Silver Pink.** Pearl pink self.
410 **The Fawn.** Terra cotta-pink, suffused yellow.
Each of above, pkt., 10c.
409 **Majus Nanum.** Semi-tall sorts mixed. ⅛ oz., 25c; pkt., 10c.

For others see Novelty pages.

Bartonia Aurea

Tall Large Flowering, 24 to 36 inches

325 **Appleblossom.** Delicate pink with a white throat.
328 **Brilliant Scarlet.**
331 **Butterfly.** Striped.
334 **Coral Red.** Dark rose, white throat.
337 **Delicata.** Delicate rose, with white throat.
339 **Delila.** Carmine and yellow, with white throat.
340 **Evening Sky.** Soft salmon, rose, yellow mouth, white throat.
342 **Garnet.** Rich color.
345 **Golden King.** Yellow.
391 **Golden Monarch.** Splendid golden yellow flowers.
346 **Harmony.** Rich terra cotta orange, shaded rose.
348 **Lovely.** White with pink lip.
397 **Madonna.** Pure white, broad petaled flower.
351 **Queen Victoria.** Pure snow-white.
354 **Rose King.** Deep rose self.
353 **Rose Queen.** Brilliant rose pink.
355 **The Cardinal.** Scarlet.
Each of the above, pkt., 10c.
360 **Majus Grandiflorum Mixed.** ⅛ oz., 25c; pkt., 10c.

Tom Thumb Varieties, 8 inches

These Snapdragons are splendidly suited for edgings and pot plants.

430 **Pink.**
431 **Orange.** Light yellow, reddish gray throat.
435 **Snow Queen.** Beautiful white flowers.
438 **Fireball.** Dark red, deep violet throat.
Each of the above, pkt., 10c.
445 **Tom Thumb Mixed.** ⅛ oz., 25c; pkt., 10c.

Antirrhinum Vaughan's Special Mixture

425 **Vaughan's Special Mixture of Snapdragons.** Includes all these and many other charming varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers. 1 oz., $1.50; ¼ oz., 40c; ⅛ oz., 25c; pkt., 15c.

ATRIPLEX

993 **Hortensis Rubra.** □ 3 to 4 ft. Is a most attractive annual for growing in the mixed border in summer. It has deep red and purple foliage, and forms a handsome plant grown singly or in groups. Ordinary soil. Pkt. 10c.

BARTONIA

1070 **Aurea** □ 12 in. The little known Bartonia makes patches of polished gold in sunny situations, even if the soil is poor. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Pkt., 10c.

BALSAM—Apple and Pear

1000 **Apple (Momordica Balsamina)** □ = 10 ft. A very ornamental and quick-growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior. Pkt., 10c.

1005 **Pear (Momordica Charantia).** Known to the Chinese as La-Kwa, for the edible pulpy arils surrounding the seed, also for the edible fruit itself, which is prepared, usually by boiling, before it is ripe. Vine grows 10 ft. or more. Like above, only the fruit is pear-shaped. Pkt., 10c.

1008 **Apple and Pear Mixed.** Pkt., 10c.

For Balsams, see page 46.

BRYONOPSIS

1165 **Laciniosa** □ = 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet-striped white. Pkt., 10c.

If you should have no use for this catalog, please pass it on to some one interested in Gardening.

BRACHYCOME (Swan River Daisy) □

12 inches

A free-flowering, dwarf-growing annual; covered during the greater part of the summer with a profusion of dainty flowers which resemble small cinerarias, suitable for edgings, small beds or pot culture.

1140 **White.**
1141 **Pink.**
1143 **Blue.**
1146 **Mixed.**
Each of the above, ⅛ oz., 25c; pkt., 10c.

Brachycome Mixed

Vaughan's Asters

Aster Sunshine

DURING the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers. Care should be taken to plant Asters in new ground each year and the best results are obtainable if the ground is carefully prepared before sowing. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and wood ashes together with bone meal. The plants should be cultivated frequently and tobacco stems are helpful if placed around the stems.

Dwarf Section, Up to 12 Inches

They are dwarf and bushy in habit and are covered with many bright and attractive flowers. In Europe they are extensively used and we might follow their example as these plants being dwarf do not suffer from storms and the flowers appear early.

500 **Vaughan's Snowball.** The best dwarf white.
501 **Vaughan's Pink Ball.** Lovely shade of pink.
505 **Vaughan's Fireball.** Brightest scarlet.
Each of the above, pkt., 15c.

522 **Triumph Mixed.** 10 in. Excellent very dwarf Peony flowered Aster, in many attractive shades. Pkt. 10c.

515 **Boltze's Dwarf Bouquet Mixed.** 10 in. Pretty little plants of handsome form, completely covered with flowers, Pkt., 10c.

520 **Dwarf Chrysanthemum Flowered. All colors, mixed.** 12 in. Of very compact growth; 3½-in. flowers; free flowering and later than other varieties, therefore valuable for succession. Pkt., 10c.

521 **Dwarf Queen Mixed.** 14 in. Beautiful early class for pot, beds and borders. Pkt., 10c.

950 **Asters, Dwarf Mixture.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. ⅛ oz., 25c; pkt., 10c.

Aster, American Beauty Mixed

Vaughan's Excelsior Mixture of Dwarf Asters

725 It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture, insuring satisfaction to the grower. ⅛ oz., **50c**; large pkt., **25c**; pkt., **15c**.

VAUGHAN'S SPECIAL

Semi-Tall Section, 12 in. to 16 in.

Giant Comet

This giant class is an improvement on the old and inferior Comet Class, not only in bearing much larger flowers, but the petals are longer and broader.

560 **White.**
565 **Yellow.**
570 **Queen of Spain.** Soft yellow, turning to flesh.
590 **Shell Pink.**
599 **Salmon Rose.**
573 **Rose.**
580 **Crimson.**
595 **Lavender.**
585 **Light Blue.**
597 **Dark Blue.**
575 **Purple.**
598 **Triumph of Paris.** White flowers with curled and twisted petals and yellow cushion center.
Each of the above, pkt., 10c.

600 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

550 **Daybreak Mixed, all colors (Improved American Victoria).** The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding. Pkt., 10c.

The Sunshine

Improved Anemone-Flowered

The Most Disease-Resisting Type in the Entire List

THE plants are bushy and strong, with many flower stalks. Some of the flowers have twisted petals and some have quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white.

885 **White.**
883 **Flesh.**
887 **Pink.**
884 **Dark Rose.**
889 **Light Blue.**
888 **Lilac.**
886 **Dark Blue.**
Each of the above, pkt., 25c.

890 **Mixed, all colors.** ⅛ oz., 50c; pkt., 25c.

Semi-Tall Section, 11 in. to 16 in.

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

615 **White.**
617 **Flesh.**
620 **Pink.**
623 **Crimson.**
625 **Scarlet.**
630 **Light Blue.**
635 **Lavender.**
640 **Purple.**
643 **Dark Blue.**
Each of the above, pkt., 10c.

645 **Mixed, all colors.** ⅛ oz., 25c; pkt., 10c.

Heart of France

602 **Heart of France** opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. ⅛ oz., 50c; pkt., 15c.

Tall Section, 16 inches and Up

American Beauty (Late Flowering)

Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. The flowers are fully double to the last.

655 **White.**
671 **Peachblossom.**
670 **Sept. Beauty.**
675 **Rose-Pink.**
660 **Carmine-Rose.**
661 **Crimson.**
656 **Azure Blue.**
668 **Lavender.**
663 **Purple.**
Each of the above, pkt., 15c.

680 **Mixed, all colors.** ⅛ oz., 50c; pkt., 15c.

California Giants

They combine the robust habit of growth and length of stem that characterizes the Beauty type and the Crego or Ostrich Feather type of flower. A true non-lateral type.

686A **White**
687 **Peachblossom.**
689A **Dark Rose.**
689 **Light Blue.**
688 **Dark Purple.**
Each of the above, pkt., 15c.

689B **Mixed, all colors.** ⅛ oz., 50c; pkt., 15c.

Aster, Heart of France

Vaughan's Asters

Aster, Giant Branching Mixed

Tall Section—Continued

American Beauty (Early Flowering)

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long, stout stems. Planted with Crego and Giant Branching will bloom at same time.

681 **White.** 683 **Rose.**
681A **Peachblossom.** 683A **Black Prince.**
681B **Sept. Beauty.** 683B **Azure Fairy.**
682 **Carmine-rose.** 684 **Lavender.**
682A **Crimson.** 685 **Purple.**
Each of the above, pkt., 15c.
686 **Mixed, all colors.** ⅛ oz., 35c; pkt., 15c.

Giant Crego

The flowers are of immense size and borne on stems twelve inches or more in length. The petals are most attractively curled and twisted, resembling Chrysanthemums. The plants are of strong branching growth and usually attain a height of two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

690 **White.** 702 **Cattleya. Orchid Shade.**
693 **Shell Pink.**
694 **Malmaison Pink.** 703 **Lavender.**
696 **Rose Pink.** 709 **Purple.**
699 **Crimson.** 710 **Dark Blue.**
700 **Azure Blue.**
Each of the above, pkt., 10c.
715 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

Crown

Large-flowered variety, each bloom of which has a clear white center. It is wonderfully attractive.
730 **Mixed, all colors.** Pkts., 10c.

Aster Crego, Lavender

Early Wonder (Express)

The best extra early variety. The flowers are of good size, quite double, and borne on good stiff stems.

825 **White.** 827 **Light Blue.**
826 **Rose.** 828 **Dark Blue.**
826A **Lavender.**
Each of the above, pkt., 10c.
829 **Mixed, all colors.** ⅛ oz., 35c; pkt., 10c.

Vaughan's Giant Branching

Beautiful asters for cut flowers. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

735 **White.** 755 **Mid Blue.**
740 **Peachblossom.** 760 **Lavender.**
745 **Flesh Pink.** 765 **Dark Violet.**
747 **Rose Pink.** 770 **Purple.**
750 **Crimson.**
Each of the above, pkt., 10c.
780 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut flowers par excellence.

785 **White.** 803 **Crimson.**
790 **Soft Pink.** 804 **Sky-Blue.**
791 **Terra Cotta.** 806 **Silvery Lilac.**
792 **Vermilion Carmine.** 809 **Light Blue.**
800 **Rose.** 812 **Dark B ue.**
Each of the above, pkt., 10c.
820 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

King

In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

840 **White.** 852 **Violet.**
841 **Shell Pink.** 856 **Lavender.**
846 **Rose.** 857 **Dark Blue.**
849 **Crimson.**
Each of the above, pkt., 10c.
860 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

Moreton Pink

781 Of the Giant Branching type, the large flowers are well formed and freely produced on long stems; color a beautiful clear pink with a salmon sheen. Pkt., 15c.

Royal (Early Flowering Branching)

Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Medium early bloomer.

865 **White.** 875 **Lavender.**
868 **Shell Pink.** 879 **Purple.**
871 **Rose Pink.**
Each of the above, pkt., 10c.
882 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

Soleil D'Or

835 **Golden Sun.** This is the best yellow Aster. The quilled flowers are of fair size; they are borne on long stems; the color is a pleasing light yellow. Pkt., 15c.

Other American Varieties

910 **Lavender Gem.** The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long, firm stems. Pkt., 15c.

920 **Peerless Pink.** The flowers are enormous, globular in shape, many five inches across, of a most pleasing rich shell-pink. Pkt., 15c.

925 **Crimson Giant.** The blood-red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden. Pkt., 15c.

930 **White Perfection.** A fine new mid-season Aster of tall, upright growth, long-stemmed, pure white double flowers about four inches in diameter, of perfect form, the broad, slightly folded petals being arranged in circular rows, like some Dahlias. Pkt., 15c.

940 **Sensation.** Flowers double and incurved, resembling a Dahlia and the flower a lively cardinal-red. Pkt., 15c.

We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Aster, The King

Vaughan's Excelsior Mixture of Tall Asters

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

945 **Asters, Tall Mixture.** The newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this mixture. 1 oz., 75c; ¼ oz., 25c; pkt., 10c.

Single Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free-blooming and produce their beautiful flowers on long, slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers.

955 **White.** 970 **Light Blue.**
965 **Pink.** 975 **Mauve.**
964 **Bright Rose.** 976 **Violet.**
966 **Crimson.** 960 **Dark Blue.**
Each of the above, pkt., 10c.
980 **Marechal Joffre.** Large flowered red. Pkt., 15c.
985 **Mixed, all colors.** ⅛ oz. 25c; pkt., 10c.

The Sunshine Aster on preceding page is a glorified single variety.

Aster Giant Ostrich Feather Mixed

Balsam Vaughan's Invincible Mixed

DOUBLE BALSAM

1½ to 2 ft.

An old and favorite garden flower, producing the double flowers clustered in the axils of the leaves on very short stems. The plants are sturdy and fleshy, making a fine garden plant. Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart.

1010 **Alba Perfecta.** Pure white.
1012 **Atrosanguinea Plena.** Double Blood-Red.
1014 **Crimson.** 1018 **Dark Blue.**
1020 **Flesh Pink.** 1022 **Lemon Queen.**
1023 **Nilsson Rose.** Deep dark rose.
1025 **Lilac.**
1027 **Prince Bismarck.** Salmon-pink.
1031 **The King.** Brilliant scarlet.
1033 **The Queen.** Pale rose.
Each of the above, pkt., 10c.

1040 **Double Rose and Camellia-flowered Mixed.** Pkt., 10c; ⅛ oz., 25c.

1050 **Dwarf Balsams Mixed.** 8 in. Perfect little bushes with double and semi-double flowers. The colors are pretty and pleasing. Pkt., 10c.

1055 **Goliath White.** 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.

1057 **Goliath Scarlet.** Extremely brilliant, large and very double. Pkt., 10c.

1059 **Goliath Chamois Rose.** A most pleasing color. Pkt., 10c.

1045 **Vaughan's Invincible Balsams Mixed.** Mixed from separate colors and includes everything that is desirable in Balsams. Pkt., 15c; ⅛ oz., 30c.

Begonia Salmon Queen

BEGONIA

Ever-Blooming Bedding Varieties

A continuous flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make valuable decorative plants for the house during winter.

1071 **Christmas Cheer Red.** A very large flowered variety, the blossoms attaining a diameter of two inches. Color, dark crimson-scarlet. Pkt., 50c.

1072 **Christmas Pink.** The growth, blossoms and foliage identical to above variety only the color is a delightful shade of warm rose-pink. Pkt., 50c.

1078 **Gracilis Luminosa.** Large, bright scarlet flowers. Pkt., 25c.

1079 **—Fireball.** Brilliant crimson. Pkt., 35c.

1080 **—Rose Charm.** Color fresh rose. Pkt., 35c.

1075 **—Mignon.** Bright salmon-scarlet. Pkt., 15c.

1081 **—Prima Donna.** 1 ft. The flowers are a brilliant, clear pink, shading to carmine-rose. Pkt., 25c.

1076 **—White Pearl.** White flowers, foliage green. Pkt., 25c.

1084 **Semperflorens Atro-purpurea Vernon.** Bright orange-carmine flowers, deep-red foliage. Pkt., 10c.

1087 **—A. Martin.** Large, brilliant crimson-scarlet with dark foliage. Pkt., 25c.

1088 **—Cardinal (Dwarf Vernon).** Pkt., 15c.

1089 **—Erfordia.** Handsome flowers of a delicate rose color. Pkt., 20c.

1091 **—Fire Sea.** Very dwarf, deep green foliage, red flowers. Pkt., 25c.

1082 **—Flame of Love.** 1 ft. Brilliant scarlet flowers with shining golden yellow stamens. Foliage bright green, tinted brown. Pkt., 35c.

1083 **—Gruppen Konigin.** Lustrous rose flowers, foliage green and brown. Pkt., 35c.

1085 **—Glory of Erfurt.** Large rosy carmine flowers. Pkt., 35c.

1073 **—Gustav Knaake.** Flowers glowing pink with salmon shade; leaves green with bronze shade. Pkt., 50c.

1093 **—Melanie.** The color is white, beautifully edged with pink. Pkt., 25c.

1086 **—Salmon Queen.** Large salmon flowers with dark leaves. Pkt., 35c.

1094 **—Wuerttembergia.** Blood-red. Pkt., 25c.

1090 **Semperflorens Mixed.** Pkt., 10c.

Tuberous-Rooted Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias. For greenhouses and for summer bedding they are unequaled. Seedlings raised in heat early in spring will flower the same summer.

1099 **Single Tuberous-Rooted Mixed.** Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color. Pkt., 35c.

1100 **Tuberous Rooted, Narcissus Flowered.** Resemble the flowers of the large Trumpet Narcissus. Comes in various colors of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tints of rose from light to dark. Pkt., 50c.

1101 **Lloydii.** This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various shades of rose and carmine. Pkt., 50c.

1103 **Double Tuberous-Rooted Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Very striking. Pkt., 50c.

1105 **Frilled Tuberous-Rooted Mixed.** Seed saved from selected, best frilled flowers. Pkt., 35c.

BELLIS PERENNIS FL. PL. ✱

English Daisy, 6 to 8 inches

These jolly little flowers are quite popular because of their bright color, their profuse and long blooming period, and their dwarf and compact growth. The leaves form a rosette at the base of the plant, while the daisy-like double flowers are borne above on stiff, yet graceful stems.

1110 **Snowball.** Double pure white. Pkt., 10c.
1113 **Longfellow.** Double dark pink. Pkt., 10c.
1116 **Double Choice Mixture.** Pkt., 10c.
1119 **Monstrosa Alba.** White. Larger than Snowball. Pkt., 15c.
1123 **Monstrosa Rosea.** Pink. Larger than Longfellow. Pkt., 15c.
1124 **Monstrosa Aetna.** Rich deep red quilled flowers. Pkt., 15c.
1130 **Monstrosa Double Red.** Pkt., 20c.
1131 **Monstrosa Mixed.** Pkt., 15c.
1135 **Rosy White, Double Frilled.** Pkt., 20c.

BIRD OF PARADISE—See Poinciana page 60.

Browallia Speciosa Major

BROWALLIA □ 1 ft

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

1155 **Speciosa Major.** A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. Pkt., 15c.
1154 **Speciosa Major Alba.** White. Pkt. 15c.
1156 **Elata White.** Pkt., 10c.
1157 **Elata Blue.** Pkt., 10c.
1160 **Elata Mixed.** Blue and White. Pkt., 10c.

BURNING BUSH—See Kochia.

BRIZA

1150 **Maxima (Quaking Grass)** □ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart-shaped and gracefully poised on such slender stems that they are almost constantly in motion. Pkt., 10c.

BROMUS

1153 **Briziformis.** 2 ft. Annual Grass with large drooping panicles. Pkt. 10c.

CALCEOLARIA

1180 **Hybrida Grandiflora (Pouchflower). Fine Mixed.** + 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. Pkt., 300 seeds, 25c.

1181 **Hybrida Grandiflora Graciosa Mixed.** A type with very large flowers in self-colors of a great variety of shades, especially in the yellow shades. Sow seeds in the spring for blooming in greenhouse next winter. Pkt., 50c.

1185 **Rugosa, Mixed.** Includes nearly all the beautiful shades found in the Herbaceous Calceolaria. Pkt., 25c.

Briza Maxima

Cacalia

CACALIA (Tassel Flower) □ 2 ft.

Each flower is a miniature paint brush produced on long wiry stems which make it an excellent cut flower.

1172 **Aurea.** Pkt. 10c. 1171 **Scarlet.** Pkt. 10c.

1170 **Mixed.** Scarlet and yellow. ⅛ oz., 25c; pkt., 10c.

CALANDRINIA □

1175 **Grandiflora.** 16 in. Handsome, hardy annual; fleshy leaves and bright rose-colored flowers; especially suitable for sunny situations. Pkt., 10c.

1177 **Umbellata.** 6 in. Hardy perennial of trailing habit, producing brilliant, crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. Pkt., 10c.

CANNA ÷ 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing.

1310 **Giant Flowered,** Mixed. Pkt., 10c.

1311 **New Varieties, Mixed.** These seeds are selected from a choice collection of a French specialist who has given much time and attention to this plant. Pkt., 25c.

1312 **Large Flowering Pink.** Pkt., 25c.

CALVARY CLOVER □ 1 ft.

1249 The plants resemble clover in foliage, each leaf having a center of blood-red. The seed capsules are a ball of prickly fibre, which when unrolled resemble a miniature crown of thorns. Pkt. 15c.

CANARY BIRD VINE, □ = 15 to 20 ft.

1250 A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings extended, the plant obtained its common name. Does well in the shade. ½ oz., 30c; pkt., 10c.

Canary Bird Vine

CANDYTUFT □

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

1260 **Giant Hyacinth-Flowered White.** 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Oz., 85c; ¼ oz., 25c; pkt., 10c.

1270 **Queen of Italy.** 8 in. Dwarf bushes covered with large pink blooms. ⅛ oz., 25; pkt., 10c.

1273 **Snowflake.** The very sweetest of all. May be planted in fall as ground cover for tulip beds. ⅛ oz., 25c; pkt., 10c.

1276 **Carminea.** 1 ft. Carmine rose. ⅛ oz., 25c; pkt., 10c.

1277 **Flesh.** 1 ft. Delicate pink. ⅛ oz., 25c; pkt., 10c.

1279 **Purpurea.** 1 ft. Crimson. ⅛ oz., 25c; pkt., 10c.

1282 **Rose Pink.** 1 ft. Brilliant deep rose-red. ⅛ oz., 25c; pkt., 10c.

1286 **Lilacina.** 1 ft. Lilac. A particularly charming color. ⅛ oz., 25c; pkt., 10c.

1289 **Little Prince.** 6 in. Dainty and distinct candytuft with immense spikes of snow-white flowers, borne in great profusion on dwarf, sturdy plants. Pkt., 10c.

1300 **Mixed, all colors.** ½ oz., 15c; pkt., 10c.

Calendula Orange King

CALENDULA (Pot Marigold) □

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

1190 **Orange King.** 18 in. The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. ⅛ oz. 25c; pkt., 10c.

1191 **The Ball.** It has fine stems, immense double flower of a brilliant glisteny orange. Pkt., 25c.

1193 **Sulphur Queen.** 20 in. Large sulphur-yellow. ⅛ oz., 25c; pkt., 10c.

1196 **Meteor.** 20 in. Apricot-orange, striped primrose. ⅛ oz., 25c; pkt., 10c.

1197 **Pongei Flore Pleno.** 12 in. Double white flowers. Pkt., 10c.

1198 **Apricot.** A charming and delightful shade, soft yellow with a suggestion of salmon-pink. ⅛ oz., 25c; pkt., 10c.

1205 **Mixed, all colors.** For woodlands and perennial borders. ¼ oz., 20c; pkt., 10c;

SPECIAL MIXTURE OF ANNUALS FOR CUT FLOWERS

1400 This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

Calliopsis Vaughan's Special Mixture

CALLIOPSIS (Tickseed) □

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

1209 **Bicolor Splendens.** Large golden yellow flowers with brown centers. Pkt., 10c.

1210 **Crown of Gold (Coronata Maxima).** 20 in. Pure golden yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.

1211 **Tom Thumb, Crimson King.** Height, 6 to 7 in., forms a perfect little bush, with rich, dark crimson flowers. Pkt., 10c.

1213 **Golden Ray.** 6 to 8 in. Flowers golden yellow with dark, purplish brown center. Pkt., 10c.

1216 **Drummondi, Golden Wave.** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye. ⅛ oz., 25c; pkt., 10c.

1217 **Nigra Speciosa.** 3 ft. Rich reddish maroon Pkt., 10c.

1221 **Radiata Tigrinia (Tiger Flower).** 6 to 8 in. Flowers large reddish brown, turning golden yellow. Pkt., 10c.

1235 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. Pkt., 10c.

1240 **Double Mixed,** all colors. Pkt., 10c.

1245 **Vaughan's Special Mixture Calliopsis.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt., 10c.

VAUGHAN'S SPECIAL

CALIFORNIA POPPY—See Escholtzia

Candytuft Mixed

Cardinal Climber

CARDINAL CLIMBER □ = 25 ft.

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal-red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. The vines are a favorite play ground of dainty humming birds. 2 pkts., 25c; 5 pkts., 50c; pkt., 15c.

CARNATIONS □ ✱

The Carnation has long been prized as a hardy border flower. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with every one. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

1335 **American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession. Pkt., 35 seeds, 25c.

1345 **Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate shades, including yellow. Pkt., 25c.

1350 **Giant Margaret Mixed.** Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support. Pkt., 100 seeds, 15c.

Carnation Vaughan's Special Mixture

CARNATIONS—Continued

Early-Flowering Perpetual. Plants bloom in about five months from sowing and continue to bloom until the end of summer. The flowers are very double, of large size. The calyx does not split. They are borne on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and comes true to color.

1336 **White.** 1340 **Scarlet.**
1337 **Yellow.** 1341 **Maroon.**
1338 **Rose-Pink.** 1342 **Salmon-Rose.**
1339 **Flesh-Pink.**

Each of the above. Pkt. 100 seeds, 25c.

1343 **Mixed, all colors.** Pkt. 100 seeds, 25c.
1355 **Giant Margaret White.** Pkt., 50 seeds, 15c.
1360 **Margaret, Double Mixed.** Pkt., 10c.
1365 **White.** 1380 **Striped.**
1370 **Yellow.** 1385 **Red.**
1375 **Pink.**

Each of the above, pkt., 10c.

1390 **Vaughan's Special Mixture.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom all winter in the house. Pkt., 100 seeds, 25c.

See Novelties and Hardy Perennials.

CASTOR OIL PLANT—See Ricinus.

Celosia Childsii—Crimson

CELOSIA (Coxcomb) □ 8 in.

Cristata or Crested Dwarf Sorts

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

1410 **President Thiers.** Fine dwarf habit, with bronzy foliage, and large, handsome, velvety crimson combs. Pkt., 10c.
1415 **Empress.** Blood-red combs and brown foliage. Pkt., 10c.
1420 **Aurea.** Golden yellow combs. Pkt., 10c.
1425 **Rosea.** Pink combs. Pkt., 10c.
1430 **Dwarf Mixed.** Pkt., 10c.

Cristata or Crested Tall Sorts

1431 **Chamois** 1434 **Peony Red**
1432 **Crimson** 1436 **Rose**
1433 **Golden Yellow** 1437 **Scarlet**

Each of above, pkt., 15c.

1435 **Tall Mixed, 18 to 24 in.** Pkt., 10c.

Plumosa or Plumed Varieties, 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1440 **Plumosa Aurea.** Orange Ostrich Plume. Pkt., 10c.
1445 **Plumosa Coccinea.** Crimson Ostrich Plume. Pkt., 10c.
1450 **Plumosa Mixed,** all colors. Pkt., 10c.
1455 **Plumosa Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

CELOSIA PLUMOSA—Continued

1462 **Chrysanthemiflora.** Produces a compact round head of flowers in many attractive shades, the deep crimson and pastel shades being particularly attractive, the stems are round and straight and very strong. Pkt., 25c.

1465 **The Chinese Woolflower (Celosia Childsii).** Plants grow two to three feet high, the bloom starting early with a central head, round and globular. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet. Pkt., 15c.

1466 **Chinese Woolflower Deep Rose.** This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Pkt., 15c.

1467 **Chinese Woolflower. Yellow.** A new color. Pkt. 15c.

1456 **Parrot's Feather.** The plants are stocky in growth, the main stem and each branch being terminated by the most lovely plumes. The colors are truly marvelous; most of them have a silvery appearance varying from the most charming shades of silvery pink, silvery salmon to red, deep red, bright yellow and orange. Many of the plumes are terminated or crowned with cockscombs of varied and fantastic shapes, of texture like the finest velvet plush. Pkt., 25c.

1460 **Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades. Pkt., 25c.

1475 **Dwarf Plumosa Mixed.** Good for pots. Pkt., 10c.

CENTAUREA—See next page.

CENTROSEMA □ = 10 ft.

A hardy vine of rare and exquisite beauty. Bears in the greatest profusion inverted, pea-shaped flowers, and ranging in color from rosy violet to reddish purple, with a broad feathered white marking through the center, while the large buds and the back of the flowers are pure white.

1610 **Grandiflora Butterfly Pea.** Pkt., 15c.

CHINESE LANTERN PLANT—See page 72.

CHINESE FORGET-ME-NOT—See Cynoglossum amabile.

CHRISTMAS ROSE—See Helleborus Niger in perennial pages.

Conservatory or House Plants Grown from Seeds for Pots

Achimenes	Gesneria
Begonia	Gloxinia
Calceolaria	Isoloma
Cineraria	Primula
Cyclamen	Streptocarpus
Exacum	Solanum

Centaurea Double Blue Bachelor's Button

See next page for description

Bachelor's Buttons Vaughan's Special Mixture

CENTAUREA CYANUS (Bachelor's Button or Cornflower) □ 2 ft.

They are easy to grow, bloom continuously. Just sow the seed broadcast wherever you want the plants to grow. If the soil is rich, the flowers will be larger and have longer stems. Make sowings at intervals of three weeks apart, beginning in early May.

Single Flowering

1525 **Dwarf Victoria.** Blue. 9 in. Neat and compact dwarf variety with a profusion of deep blue flowers, useful for edgings. Pkt. 10c.

Double Flowering Varieties

1500 **Pure White.** 1511 **Mauve.**
1505 **Blue.** 1512 **Crimson.**
1510 **Pink and Rose Shades.** 1515 **Purple.**

Each of the above, ¼ oz., 25c; pkt., 10c.

1520 **Double Mixed.** ¼ oz., 20c; pkt., 10c.

1535 **Vaughan's Special Mixture of Bachelor's Buttons,** double and single varieties. ¼ oz., 25c; pkt., 10c.

Imperialis (Giant Sweet Sultan) 2½ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

1540 **White.**
1545 **Lilacina.** Dark lilac.
1550 **Favorita.** Brilliant rose.
1560 **Splendens.** Purple-crimson.
1565 **Deep Lavender.**
1566 **Amaranth.** Rich plum color.
Each of the above, pkt., 10c.
1570 **Imperialis, Mixed,** all colors. ¼ oz., 25c; pkt., 10c.

Centaurea Imperialis Mixed

CENTAUREA—Continued

1590 **Vaughan's Special Mixture of Centaureas** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer. ¼ oz., 25c; pkt., 10c.

Various Centaureas

1480 **Americana.** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c.

1485 **Americana Alba.** 2½ ft. Star Thistle. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.

1575 **Moschata Mixed.** 2 ft. Sweet Sultan, white, red and blue. Pkt., 10c.

1580 **Suaveolens.** 2 ft. Yellow Sweet Sultan. Pkt., 10c.

White Leaved Centaureas

(Dusty Millers for Bedding)

1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. Pkt., 10c.

1600 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.

Cineraria Maritima Diamond is also known as Dusty Miller.

CHEIRANTHUS

1609 **Kewensis (Siberian Wallflower).** 12 in. Flowers brilliant orange-yellow. A biennial but it will bloom freely from seed the first year. Pkt., 25c.

1611 **Linifolius (Alpine Wallflower).** 9 in. Charming hardy annual which may also be treated as a biennial with equal success. Wallflower-like blossoms of an uncommon lilac shade. Pkt., 15c.

CINERARIA HYBRIDA + 18 in.

The plants produce immense trusses of daisy-like flowers in shades from white through various shades of blue to pink and crimson. As decorative and ornamental plants for winter decoration these take a foremost place, and may be enjoyed by any one possessing an ordinary greenhouse.

1715 **Vaughan's Columbian Mixture.** This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors. Pkt., 60 seeds, 25c.

1720 **Good Mixed.** Pkt., 10c.

1726 **Hybrida Multiflora Nana.** 10 in. A new race producing dwarf plants with masses of small flowers, measuring about ¾-inch diameter, compact heads over small and dainty foliage. The flowers are all self-colored. Pkt., 35c.

1722 **Stellata Mixed.** 2 ft. A mixture of blue, red, white and intermediate shades of star-shaped flowers. Pkt., 100 seeds, 25c.

1723 **Feltham Beauty.** Somewhat similar to but dwarfer than Cineraria Stellata, with larger flowers and broader petals, but retaining the true star shape. This mixture has many distinct colors, many having white centers. Pkt., 35c.

1725 **Radiata Polyantha.** 2 to 3 ft. The small starry flowers are in many pleasing shades. Pkt., 25c.

CINERARIA MARITIMA (Dusty Miller)

1730 **Maritima, Diamond.** 16 in. White leaved, for bedding only. Pkt., 10c.

CHRYSANTHEMUM □

Single Flowering Varieties. 20 in.

They produce long, stiff stemmed flowers in attractive shades and color combinations.

1620 **Morning Star.** Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.

1625 **Evening Star.** Rich sunflower-yellow, disc dark yellow. Pkt., 10c.

1626 **Eastern Star.** Primrose with brown disc. Pkt., 10c.

1627 **Purpureum W. E. Gladstone.** Rich, velvety purple, yellow ring. Pkt., 10c.

1630 **Eclipse (Chameleon).** Clear yellow petals with dark disc. Pkt., 10c.

1635 **Burridgeanum.** Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.

1640 **Golden Feather.** Foliage striking yellow; flower with a crimson ring near center. Pkt., 10c.

1645 **The Sultan.** Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.

1650 **Northern Star.** Large pure white fringed petals with canary-yellow zone around a dark brown eye. Pkt., 10c.

1655 **Vaughan's Special Single Mixed.** Showy flowers of various bright colors. Pkt., 15c.

Double Flowering Varieties. 4 ft.

The coronarium varieties are selected strains of compact habit and with fine double flowers.

1656 **Coronarium Double White.** Pkt., 10c.

1659 **—Double Golden Yellow.** Pkt., 10c.

1695 **Vaughan's Special Mixture of Double Chrysanthemums.** ¼ oz., 25c; pkt., 10c.

Chrysanthemum
Vaughan's Special Annual Mixed

1700 **Vaughan's Special Mixture of Annual Chrysanthemums.** Single and double sorts in finest mixture including many new varieties not cataloged. ¼ oz., 25c; pkt., 10c.

1705 **Frutescens.** Paris daisy or Marguerite. Large white star-shaped flowers. Pkt. 10c.

The following are valuable for pots.

1710 **Chinese and Japanese Varieties Mixed.** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall. Pkt., 100 seeds, 25c.

CLARKIA □ 2 ft.

An easily grown annual doing well in rather poor soil. The flowering sprays are long and need staking. The double flowers appear in terminal clusters and the axils of the upper leaves. One author accurately describes them when she says they resemble sprays of "Flowering Almond".

1740 **Apple Blossom.** Double apple blossom.
1743 **Brilliant.** Double salmon-scarlet.
1746 **Chamois.** Double.
1748 **Orange King.** Double bright orange scarlet.
1751 **Purple Prince.**
1755 **Queen Mary.** Double rose carmine.
1760 **Salmon-Pink.** Double salmon.
1765 **Scarlet Queen.** Double orange-salmon.
1766 **Vesuvius.** Double fiery scarlet and rose.
1770 **White Prince.** Very double, pure white.
Each of above, pkt., 10c.
1790 **Vaughan's Special Mixture.** Made up especially from the above named varieties. ⅛ oz., 25c; pkt., 10c.

CLEOME

1800 **Pungens (Spider Plant)** □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. The airiness of the Spider Plant lends a touch to the garden which nothing else gives. Pkt., 10c.

Clarkia Vaughan's Special Mixture

Cobaea Scandens

COBAEA

1820 **Scandens, Cathedral Bells** □ = 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green, but turn a beautiful purplish lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer.

1825 **Flore Albo.** White.

1830 **Mixed.** White and blue.

Each of the above, pkt., 10c.

CLIANTHUS

1810 **Dampieri (Glory Pea of Australia)** + 2 ft. The flowers are not very unlike the Erythrina, very freely produced in hanging clusters, bright red with a black spot. Sow seed in sandy soil where the plants are to remain. 15 seeds 25c.

COCKSCOMB—See Celosia cristata.

COIX

1850 **Lachrymae (Job's Tears)** □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., $1.00; ¼ lb., 30c; 1 oz., 10c.

COLLINSIA

1870 **Mixed** □ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt., 10c.

CORN RAINBOW—See Zea Japonica.

COLLOMIA

1871 **Coccinea** □ 9 in. Hardy annual of compact habit, producing large heads of brilliant orange-red starry flowers; very distinct in color. Pkt., 10c.

COSMIDIUM

1930 **Orange Crown** □ 2 ft. The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c

Cosmidium Orange Crown

COLEUS

1855 **Vaughan's Mammoth Rainbow Mixture** ÷ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich. Pkt., 25c.

VAUGHAN'S SPECIAL

1860 **Fine Mixed.** Pkt., 10c.

1861 **Large Leaved Copper Color.** Pkt., 25c.

1862 **Pyrenean Giant.** Large leaves with whitish ground dotted with red shades. Pkt., 25c.

CONVOLVULUS (Morning Glory) □ =

Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

1887 **Rose** 1891 **Striped**

1889 **Crimson** 1892 **Dark Blue**

Each of the above, pkt., 10c.

1900 **Mixed,** all colors. 1 lb., $1.00; ¼ lb., 30c; 1 oz., 15c; pkt., 10c.

1905 **Double Mixed.** The flowers are double and semi-double and some are fringed. Pkt., 10c.

1910 **Double Snow Fairy.** The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. Pkt., 10c.

Convolvulus Morning Glory Mixed

Minor—Dwarf or Bush Varieties. 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

1920 **Mixed,** all colors. 1 oz., 15c; pkt., 10c.

CUPHEA

2000 **Platycentra (Cigar Plant)** ÷ 10 in. Small scarlet and black tubular flowers; dark green foliage. Pkt., 20c.

COSMOS □ 4 to 6 ft.

One of the most attractive plants for the garden—blooming in early summer and continuing until frost; grows easily; makes a fine symmetrical bush of feathery green foliage covered with lovely long stemmed flowers.

Early Flowering Mammoth

1935 **White.** 1945 **Crimson.**

1940 **Pink.**

Each of the above, pkt., 10c.

1950 **Early Flowering Mammoth Mixed, all** colors. ¼ oz., 20c; pkt., 10c.

1955 **Early Harbinger Mixed.** Contains new shades such as soft shades of pink, peach, apple-blossom, lavender and other intermediate shades, all giant flowered of the early flowering type. Pkt., 25c.

1980 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others. In the Northern States seed should be sown early in pots and the pots plunged in the ground after all danger of frost is over, as the roots have to be confined to produce flowers. Pkt., 10c.

Cosmos Miniature Golden

COSMOS—Continued

1954 **Miniature Golden.** 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower. Pkt., 15c.

Anemone Flowered or Crown and Crested

These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

1981 **Crimson.** 1983 **White Queen.**

1982 **Pink Beauty.** 1984 **Mixed.**

Each of the above, pkt., 15c.

Double Early Flowering

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed.

1990 **Pink.**

1991 **White.**

1992 **Crimson.**

Each of the above, pkt., 25c.

1994 Above 3 colors mixed. Pkt., 25c.

CYCLAMEN (Alpine Violet) + 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. Sow in shallow, wide pans in a compost of peat, loam and sand. Cover seeds but scarcely ¼ of an inch deep with sand or spagnum moss, place in cold frame. Sow thinly so they may remain in seed pans for one year. Then transplant into thumb pots, later shift into large ones. It takes eighteen months to produce flowering plants from seed.

2010 **Giant Flowered Cyclamen.** Mixed, extra choice. 10 seeds, 20c; 20 seeds, 30c; 100 seeds, $1.20.

Cosmos Double Early Flowering Mixed

Crepis Barbata Rosea

CREPIS

1998 **Barbata Rosea** □ 18 in. (Hawkweed) showy star-like semi-double flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 15c.

CYNOGLOSSUM

2015 **Amabile Chinese Forget-Me-Not.** ♂ 18 to 24 in.. A lovely plant producing large sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. Pkt., 25c.

2016 **Linifolium.** 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.

CYPERUS

2030 **Alternifolius (Umbrella Plant)** + 1½ ft. Ornamental foliage plant with shining green fronds resembling a miniature palm. Grows in water with rich soil or mud. Fine plants can be grown from seed in less than three months. Pkt. 10c.

CYPRESS VINE □ = 10 ft.

A very graceful, twining annual climber with delicate, fernlike foliage, and a profusion of star shaped blossoms.

2035 **White.** Pkt., 10c.

2037 **Scarlet.** Pkt., 10c.

2040 **Mixed.** ½ oz., 20c; pkt., 10c.

2045 **Ivy-Leaved Scarlet.** Deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c.

DAISY

See Bellis, Agathea, Arctotis, Brachycome, Chrysanthemum Maximum and Frutescens, Dimorphotheca, Gerbera and Pyrethrum Roseum.

Cynoglossum Amabile
Chinese Forget-Me-Not

DAHLIA □

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

2055 **Collarette, Mixed Colors.** 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2056 **Coltness Hybrids.** 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, vary in size, being nearly all three inches in diameter. The colors are most varied. Pkt., 35c.

2065 **Giant Perfection Mixed.** 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

2067 **Stella.** 3 ft. A new form of the Single Cactus type of Dahlia, suggesting the shape of a Starfish, due to the peculiarly recurved shape of the ray petals, which are of a different color on the reverse side, the tints of the latter being generally marbled or watered. Pkt., 25c.

Dahlia Vaughan's Special Mixture

2090 **Vaughan's Special Mixture.** This mixture contains seeds from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts. Pkt., 60 seeds, 25c.

Double Flowering

2070 **Double Good Mixed.** 3 ft. Pkt., 10c.

2075 **Double Cactus Flowered Mixed.** 3 ft. With twisted and curled petals. Pkt., 15c.

2080 **Double Best Mixed.** 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2089 **Double Liliput (Pompon).** 1 ft. Small flowered splendid Mixed. Pkt., 15c.

2082 **Hornsveld's Giants.** Wonderful new single and semi-double flowers in many brilliant colors. Pkt., 50c.

See also Novelties.

DATURA (Angel's Trumpet) □ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make fine pot plants for the greenhouse. Garfield Park in Chicago had a fine display of these last summer.

2100 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, like three cones, one within the other; color rich violet, with white interior. Pkt., 10c.

2105 **Golden Queen.** Bright yellow flowers.

2110 **Double White.**

2115 **Double Fine Mixed.**

Each of the above, pkt., 10c.

Dianthus Special Double and Single Mixed

DIANTHUS

(Annual Garden Pinks) □ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly. In our latitude the plants live over winter.

Single Flowering

2190 **Crimson Belle.**

2193 **Eastern Queen.** Large and beautiful flowers, marbled rose and white.

2196 **Salmon Queen.** Salmon-scarlet.

2199 **Magpie.** Dark red, edged with silvery white.

2205 **Mirabilis.** Petals are deeply cut into fringes. All shades from pure white to deep purple.

2207 **The Bride.** White with purple center.

2218 **Violaceus.** Single violet.

2240 **Laciniatus Splendens.** The flowers are beautifully fringed and come in various shades of red with large white centers and white edges around the petals.

Each of the above, pkt., 10c.

2245 **Vaughan's Special Mixture, Single Pinks.** The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. ¼ oz., 30c; pkt., 10c.

Double Flowering

2255 **Salmon.** A beautiful shade.

2256 **Tom Thumb Brilliant.** Dwarf, bright red.

2260 **Diadematus Mixed.** Beautiful flowers in various shades with the outer edges fringed and almost white.

2265 **Count Kerchove.** Blood-red, black spots.

2272 **Brilliant Rose.**

2280 **Lucifer.** Double orange.

2283 **Violet Queen.** The double flowers are a clear shade of pale violet.

2285 **Mourning Cloak.** Flowers very dark velvety crimson, each petal strikingly edged white.

2290 **Fireball.** Scarlet, compact, floriferous.

2293 **Snowball.** Compact, fringed white flowers.

2295 **Rosalind.** Double rose flowers.

2296 **Midnight.** Double blood-red.

Each of the above, pkt., 10c.

2300 **Vaughan's Special Mixture of Double Pinks.** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades. ¼ oz., 30c; pkt., 10c.

2305 **Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. ¼ oz., 30c; pkt., 10c.

Dimorphotheca Aurantiaca Hybrida

DIMORPHOTHECA □

2320 **Aurantiaca. (Orange African Daisy)** 1 ft. The Marguerite-like blossoms of the African Orange Daisy show a unique rich orange gold, which is rendered more conspicuous by their dark-colored discs. Pkt., 15c.

2325 **Aurantiaca Hybrida.** They vary in color from the purest white to red and blush, white tints, sulphur, lemon and bright golden yellow, light orange, reddish yellow changing to pale salmon-rose. Pkt., 10c.

2326 **Ecklonis.** A beautiful species of the Cape Marigold, of light graceful habit and bearing elegant white flowers, 3 in. across, with dark blue-spotted centre, reverse of petals blue and mauve; in bloom from spring to autumn. Pkt., 15c.

DIGITALIS (Foxglove)—See Colored Perennial Pages.

DELPHINIUM ANNUAL—See Larkspur.

DRACOCEPHALUM

2355 **Moldavicum. (Dragon's-Head).** □ 18 in. It is a native of Siberia, has lace-shaped crenulate leaves, and fragrant bluish violet flowers borne in long nodding racemes from July to October. Succeeds in good ordinary soil and requires to be grown about a foot apart. Belongs to the Lavender order. Pkt. 10c.

DOLICHOS (Hyacinth Bean) □ = 10 ft.

A rapid-growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods.

2330 **Princess Helen (Daylight).** Snow-white flowers followed by silvery white seed pods. Pkt., 10c.

2335 **Purple Soudan (Darkness).** Attractive rose-violet flowers with dark ruby-purple seed pods. Pkt., 10c.

2340 **Mixed,** all colors. 1 oz., 20c; pkt., 10c.

2345 **Lignosus (Australian Pea Vine).** A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

Dolichos Daylight and Purple Soudan

DRACAENA

2350 **Indivisa** □ + 2 ft. Ornamental leaved plants; long, narrow, green-leaved foliage. Pkt., 10c.

DUSTY MILLER—See Centaurea and Cineraria.

ECHINOCYTUS LOBATA—See Wild Cucumber.

ECHIUM

2357 **Plantagineum. (Bugloss)** □ 1 ft. A charming annual with an upright stem which carries branches which terminate in the most delightful blue flowers, cup shaped which have a pink tint in early stages. Blooms in July, August. Succeeds in good ordinary soil in sunny border. May be also grown under glass. Pkt. 10c.

ERAGROSTIS

2359 **Elegans (Love Grass).** □ Of erect growth about 18 inches high. With feathery panicles, nice for cutting. Pkt., 10c.

ERYSIMUM

2361 **Perofskianum. (Fairy Wallflower)** □ 12 to 18 inches. A particularly attractive annual for growing in masses in beds or in borders. Bears bright orange fragrant flowers in profusion during the summer. One of the showiest and easiest grown of all hardy annuals. Will thrive in fairly good soil. Pkt., 10c.

ERYTHRINA

2360 **Crista Galli (The Coral Tree)** + 4 ft. A fine plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. Garfield park, Chicago, featured these last summer. Pkt., 15c.

ESCHOLTZIA (California Poppy) □ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain. The California Poppy makes an interesting plant for the foreground of the border, bringing a touch of gold and gray from the foothills of the West.

2365 **Alba.** Double white.

Bush—See Hunnemannia.

2370 **Carmine King.** Beautiful carmine-rose color, both on the interior and exterior of the flower.

2375 **Canaliculata Rosea.** Beautiful rosy pink.

2376 **Chrome Queen.** Flowers of lovely soft buff yellow.

2380 **Dainty Queen.** Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream.

2385 **Golden West.** Flowers bright yellow and orange, penciled and blotched.

2387 **Mandarin.** Inner side of the petals orange, the outer side brilliant scarlet.

2392 **Mikado.** Flowers lustrous orange-crimson.

2397 **Rose Cardinal.** Flowers pretty dark rose, inside blush.

2398 **The Geisha.** Orange-red outside, rich golden within.

2405 **Vesuvius,** Wallflower red.

2410 **Double and Semi-Double Mixed.**

Each of the above, pkt., 10c.

2415 **Vaughan's Special Mixture.** This mixture includes all the varieties here cataloged of the double and single sorts and is the most complete mixture of these charming annuals in existence. Oz., 75c; ¼ oz., 25c; pkt., 10c.

VAUGHAN'S SPECIAL

EUCALYPTUS

2425 **Globulus (Blue Gum)** ÷ Admirable for sub-tropical bedding or greenhouse decoration. Pkt., 10c.

EUCHARIDIUM

2428 **Grandiflorum.** □ 1 ft. A Californian annual of low tufted growth with deep rosy-purple flowers suitable for massing in borders. Ordinary soil. Belongs to Evening Primrose family. Pkt. 10c.

"ANNUAL FLOWERS FOR GARDEN AND GREENHOUSE"

A complete Guide to the Cultivation of Hardy and Half-hardy Annuals and Biennials, 145 pages. Profusely illustrated in color and half-tone by T. W. Sanders, F. L. S. $2.15 postpaid.

"POPULAR HARDY PERENNIALS"

By the same author we consider the best book on this subject. 400 pages, profusely illustrated, $3.15 postpaid.

Didiscus Coeruleus

DIDISCUS COERULEUS

2310 **Lavender Lace Flower** □ 3 ft. Another charming blue annual, with dainty lavender-blue flowers which resemble in form the Queen's Lace Handkerchief of our roadside. Excellent for bedding and a very desirable cut flower. Pkt., 10c.

EUTOCA

2439 **Viscida.** □ 1 ft. A lovely little plant with intense brilliant blue flowers, exceedingly effective in beds and borders, a good bee plant. Pkt., 10c.

EVERLASTINGS

Winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long, cold winter, when flowers are scarce, a bit of brightness for your own home. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

Annuals

150 **Acroclinium Roseum.** Double 2 ft. Pkt., 10c.
295 **Ammobium Alatum Grand.** Pkt., 10c.
2525 **Gomphrena** Mixed, all colors. Pkt., 10c.
2810 **Helichrysum (Strawflower).** Vaughan's Special Mixture. Pkt., 15c.
2815 **Helipterum Sandfordii.** Pkt. 10c.
4540 **Rhodanthe.** Mixed colors. Pkt., 10c.
4795 **Statice Russian (Suworowii).** Pkt., 15c.
4800 **Bonduellii.** Yellow. Pkt., 10c.
4802 **Sinuata True Blue.** Pkt., 10c.
4801 **Sinuata Rosea Superba.** Pkt., 10c.
5849 **Xeranthemum Double Mixed.** Pkt., 10c.
2440 **Everlastings Mixed.** 1 to 2 ft. Pkt., 10c.

Perennials

7788 **Echinops Ritro (Globe Thistle).** Pkt., 10c.
7795 **Eryngium Planum (Sea Holly).** Pkt., 10c.
7860 **Gypsophila Paniculata Fl. Pl.** Pkt., 25c.
8150 **Lunaria Biennis, or Honesty.** Pkt., 10c.
8345 **Physalis Franchetti** Pkt., 10c.
8520 **Statice Latifolia (Sea Lavender).** Pkt., 10c.

All the Ornamental Grasses.

Escholtzia Vaughan's Special Mixture

Euphorbia Snow on The Mountain

EUPHORBIA □ 2 ft.

Strong growing annuals, for beds of tall-growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

2430 **Heterophylla (Mexican Fire Plant).** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 **Variegata (Snow on the Mountain or Mountain Spurge).** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. Pkt., 10c.

EXACUM

2445 **Affine ÷.** Greenhouse plant 1 to 2 ft. high with numerous bluish lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use and may be used like a primula or a begonia. Pkt., 50c.

FORGET-ME-NOT—See Myosotis.

FOUR O'CLOCK—See Mirabilis.

FOXGLOVE—See Digitalis.

FREESIAS □ 12 in.

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed.

2450 **Refracta Alba.** White. Pkt., 10c.

2455 **Rainbow Hybrids.** Very attractive because of their unique colorings and shadings. Pkt., 15c.

FUCHSIA HYBRIDA (Ladies' Eardrop)

2460 **Double and Single Mixed ÷** 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year if planted early. Pkt., 20c.

Gaillardia Lorenziana Double Mixed

GAILLARDIA (Blanket Flower) □ 1½ ft.

One of the most profuse bloomers of the flower garden, the color of the Gaillardia may be termed "sunset" because the flowers run to reds and oranges, rose-tinted at the base of the petals. The flower heads are terminal and on long stems. The foliage is a good gray-green and fairly abundant.

2465 **Amblyodon.** Deep red. Pkt., 10c.

2466 **Picta Josephus.** Large red blossoms, edged yellow. Pkt., 15c.

2467 **Picta Aurora Borealis.** Brown, red and yellow. Pkt., 10c.

2470 **Picta Single Mixed.** Pkt., 10c.

2474 **Lorenziana Rubra.** Beautiful double red flowers. Pkt., 15c.

2475 **Lorenziana Double Perfection Mixed.** Pkt., 10c. See also Perennial pages.

GAURA

2480 **Lindheimeri.** □ 3 ft. A graceful plant with strong leafy stems, bearing numerous spikes of white flowers flushed with pink from July until frost. Especially sun-loving and drouth-resisting. A lovely combination is to plant Gaura in front of Hollyhocks with a few plants of Salvia farinacea mingled with the Gaura. The flowering seasons supplement admirably. Pkt. 10c.

GERBERA (Transvaal Daisy) ÷ 24 in.

2504 **Jamesoni Hybrids.** The most perfectly formed daisy-like blossoms, 2 to 4 inches across, being borne on long stems, are unsurpassed as cut flowers. For garden culture in cold climates the plants are wintered over in cold frames. They are easily grown from seed and will commence flowering the first year. The colors include a wilderness of tints, from dove white through amber, pale yellow, orange, salmon, rose, cerise and ruby-red to violet. It has made quite a "hit" when exhibited at recent flower shows Pkt., 25 seeds, 25c.

Gilia Blue Thimble Flower

GILIA □

2532 **Capitata (Blue Thimble Flower).** 2 ft. Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across, much like Scabiosa. Makes a good cut flower as the blooms last well in water. May also be used as everlasting, as the flowers retain their beautiful color when dried. Pkt. 10c.

2530 **Mixed.** 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.

2533 **Coronopifolia Mixed (Standing Cypress).** Very leafy, the divisions being needle-like about one inch long. The flowers are 1½ inches long, trumpet-shape, borne along the side of the summit of the stem. The colors include vermilion, salmon, apricot, rich pinks and pure yellow. Pkt., 15c.

2531 **Tricolor.** "Bird's Eyes." 1 ft. Flowers pale lilac, yellow toward the center, with five purple spots. Pkt., 15c.

GERANIUM ÷ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

2485 **Zonale Varieties.** Saved from a choice collection. Pkt., 10c.

2490 **Large Flowering, Newest Varieties Mixed.** Pkt., 50 seeds, 15c.

2495 **Apple-scented.** Leaves fragrant. Pkt., 25 seeds, 15c.

2500 **Lady Washington (Odier).** Large flowers, beautifully blotched. Pkt., 10 seeds, 50c.

Godetia Gladiolus Flowered

GODETIA □

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

2570 **Duchess of Albany.** 16 in. Pure white.

2573 **Gloriosa.** 10 in. Deep blood-red.

2576 **Rosamunde.** 8 in. Fiery rose.

2579 **Lady Satin Rose.** 10 in. Bright carmine.

2583 **The Bride.** 24 in. White and red.

2584 **Whitneyi.** 15 in. Double Azalea flowered pink blossoms. Excellent for pots. Pkt., 15c.

2587 **Many Sorts and Colors Mixed.**

2598 **Dwarf Sorts Mixed.** 10 in. Neat globular. Except where noted, pkt., 10c.

Gladiolus Flowered. 24 in.

Are quite different from other sorts, inasmuch as they throw up flower spikes much like a gladiolus only more graceful, which are closely set by double flowers in bright and attractive colors.

2588 **Carmine.** 2590 **Rose.**

2589 **Rosy Morn.** 2593 **Mauve**

2591 Mixed, colors noted above.

Each of the above pkt., 15c.

GESNERIA

2505 **Robusta Perfecta Hybrids ÷.** A fine pot plant. The flowering spikes carry numerous bright pendulous blooms, including pure white, yellow, salmon-pink, orange, rose-carmine, and rich crimson. It belongs to same class as the Gloxinias and needs same culture in greenhouse. Pkt. 50c.

GOMPHRENA (Globe Amaranth) □ 12 in.

A showy annual everlasting with clover-like heads.

2506 **Globosa Alba.** 2515 **Globosa Pink.**

2509 **Flesh.** 2525 **Mixed, all colors.**

2510 **Rubra.** Red.

Each of the above, pkt., 10c.

2520 **Orange.** Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.

Gomphrena for Winter Bouquets

Gourds Mixed

GOURDS □ = 20 ft.

The blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

2600 **Apple-shaped.** Beautifully striped.

2605 **Bottle.** The original Thermos bottle.

2608 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used to an advantage in making pipes.

2610 **Dipper.** Fruit makes an excellent dipper and may be used for wren's nests.

2615 **Dishcloth or Towel. Luffa Acutangula known as Sing-kwa.** The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.

2618 **Hercules Club.** Fruit grows 3 to 4 ft. long.

2620 **Gooseberry.** Gooseberry-shaped fruit.

2625 **Japanese Nest Egg.** May be used as nest eggs.

2627 **Orange.** The well known Mock Orange.

2630 **Ornamental Pomegranate** or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.

2635 **Pear-Shaped.** Striped yellow and green.

2640 **Sugar Trough.** Thick shells, very durable.

2643 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a part of the side of the bowl a satisfactory spoon may be made.

2645 **Turk's Turban.** Odd brightly colored fruit. Each of the above pkt., 10c.

2650 **Small Fruited Varieties Mixed.** Pkt., 10c.

2660 **Mixed, all varieties.** 1 oz., 30c; ½ oz., 20c; pkt., 10c.

Gypsophila, Angel's Breath

GLADIOLUS □

2540 **Many Varieties Mixed.** 3 ft. Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming. Pkt., 10c.

2545 **Primulinus Hybrids.** 30 in. Flowers of distinct form and possess the clearest tones and tints of color to be found. The spikes are tall and graceful. 100 seeds, 25c.

GLOXINIA

2560 **Vaughan's International Mixture** + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

2565 **Fine Mixture.** Pkt., 15c.

GRASSES

2670 **Ornamental Mixed** □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c.

Ornamental Grass Collection

235 **Agrostis Nebulosa.** Pkt., 10c.
1149 **Briza Gracillima Minor.** Pkt., 10c.
1150 **Briza Maxima.** Pkt., 10c.
1153 **Bromus Briziformis.** Pkt. 10c.
1850 **Coix Lachrymae.** Oz., 10c.
2030 **Cyperus Alternifolius.** Pkt., 10c.
2359 **Eragrostis Elegans.** Pkt., 10c.
2848 **Hordeum Jubatum.** Pkt. 15c.
2972 **Lugarus Ovatus.** Pkt. 15c.
3920 **Pennisetum Longistylum.** Pkt., 10c.
3925 **Pennisetum Rueppelianum.** Pkt., 10c.
5654 **Tricholaena Rosea.** Pkt., 10c.
6175 **Zea Japonica Quadricolor Perfecta.** Pkt. 10c.

GREVILLEA

2675 **Robusta (Silk Oak)** ÷ 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage. Excellent for fern dish use. In California and Florida develops into an ornamental tree. Pkt., 10c.

HAWKWEED—See Crepis.

GYPSOPHILA □ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

2680 **Elegans Grandiflora Alba (Angel's Breath).** This is an improved large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Oz., 30c; ½ oz., 20c; pkt., 10c.

2682 **Elegans Vivid Rose.** Pkt., 10c.

2683 **Elegans Crimson.** Pkt., 15c.

2685 **Elegans Rosea.** Soft pink. Pkt., 10c.

2690 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.

HELIANTHUS—See Sunflower.

HELIPTERUM

2815 **Sanfordii.** □ 1½ ft. Large heads of bright yellow everlasting flowers. Will bloom in 8 to 10 weeks from seed and flower continuously until frost. Pkt. 10c.

HELIOTROPE ÷ 2 ft.

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seed sown in the Spring makes fine plants for bedding out, and are as easily grown as Verbenas.

2820 **Mammoth Mixed.** Flowers of great size and ranging in shade from dark blue to lilac. Pkt., 15c.

2825 **King of the Blacks.** Deep purple, almost black. Pkt., 15c.

2826 **Madam Bruant.** This is a dwarf-growing variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 25c.

2827 **White Lady.** A large flowering pure white variety. Very fragrant. Pkt., 15c.

2830 **Fine Mixed.** Pkt., 10c.

HERNIARIA

2833 **Hirsuta.** 2 in. □ Valuable ground cover for places where grasses fail. Makes a dense mat of moss-like foliage with inconspicuous greenish white flowers. Pkt., 15c.

HORDEUM

2848 **Jubatum.** (Squirrel's Tail Grass) □ 2 ft. Produces graceful spikes of inflorescence furnished with feathery bristles somewhat like the tail of a squirrel. Should be grown in ordinary soil in groups or rows in sunny borders. Pkt. 15c.

HONESTY—See Lunaria in perennial pages.

HYACINTH BEAN—See Dolichos

Helichrysum Vaughan's Special Mixture

HELICHRYSUM (Strawflower) 32 in.

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

2770 **Silver Ball.**
2775 **Fire Ball.**
2780 **Golden Ball.**
2785 **Rose Queen.**
2790 **Salmon Queen.**
2795 **Violet Queen.**

Each of the above, pkt., 10c.

2800 **Mixed, all colors.** Pkt., 10c.

2810 **Vaughan's Special Mixture.** This mixture of Helichrysum in an improved large-flowered strain containing many new and exquisite shades. ¼ oz., 25c; pkt., 15c.

HOLLYHOCKS (Annual) □ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

2840 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. Pkt., 10c.

2845 **Everblooming Double Mixed.** Double and semi-double. Pkt., 10c.

(For other Hollyhocks see Perennial List printed in colors.)

HUMULUS JAPONICUS (Japanese Hop)

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 **Green Leaved.** Pkt., 10c.

2855 **Variegated Leaved.** The large, handsome leaves are beautifully variegated white, green and yellow. Pkt., 10c.

Heliotrope Mammoth Mixed

Hunnemannia, Santa Barbara Poppy

HUNNEMANNIA

2860 **Fumariaefolia (Bush Escholtzia, or Santa Barbara Poppy)** □ 1½ ft. Another sun-kissed golden yellow poppy, too little known. Is pleasing both in the border and as a cut flower. The plants grow into a shrubby bush and produce their large cup shaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow; the petals are broad and crinkled. Pkt., 10c.

ICE PLANT

2870 **Mesembryanthemum Crystallinum** □ 6 in. Foliage very ornamental, being covered with ice-like globules and prized for garnishing; flowers, small, pinkish-white. A valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c.

2871 **Mesembryanthemum Tricolor.** 1 ft. Flowers yellow, blood-colored inside, with brown anthers. Pkt., 10c.

IMPATIENS (Zanzibar Balsam)

÷ □ 1½ ft.

One of the prettiest plants for pot culture and also for outdoor planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

2875 **Holstii.** Of rapid and vigorous growth and producing large flowers of a brilliant salmon-scarlet. Pkt., 15c.

2880 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet. Pkt., 15c.

2881 **Sultani.** Bright rose. Pkt., 15c.

2882 **Sultani Hybrida.** Colors range from pale pink to dark crimson. Pkt., 15c.

White Moonflower

IONOPSIDIUM

2890 **Acaule (Violet Cress)** □ 3 in. A lovely miniature rapid-growing and early flowering plant, forming dense tufts of foliage smothered in tiny, pale lilac flowers. Pkt., 10c.

IPOMOEA □ = 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

2895 **Bona Nox (Evening Glory).** Violet flowers. Pkt., 10c.

2900 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion. Pkt., 10c.

2905 **Mexicana Grandiflora Alba (White Moon Flower).** Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c.

2910 **Mexicana Grandiflora, Giant Pink.** Soft lilac-pink flowers. Pkt., 10c.

2915 **Imperialis (Japanese Morning Glory), Fine Mixed.** The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb., $1.50; ¼ lb., 55c; 1 oz., 20c; ½ oz., 15c; pkt., 10c.

Ipomoea Early Flowering Heavenly Blue

2941 **Early Flowering Rubro Coerulea (Heavenly Blue).** The flowers measure from 3½ to 4 in. across, sky-blue with a white throat. They are profuse bloomers and during a long season the vines are a mass of baby-blue blossoms. Sow seed in pots and plunge pots in ground as they are rank growers and the roots should be confined. A favorite of Mrs. Francis King. Pkt., 25c.

2925 **Vaughan's Special Mixture, Japanese Morning Glories.** The colors run from snow-white through all possible shades of blue and red, from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb., $1.00; 1 oz., 30c; ½ oz., 20c; pkt., 10c.

VAUGHAN'S SPECIAL

2930 **Learii.** Satiny blue with crimson bars. A good greenhouse climber. Pkt., 10c.

2950 **Setosa (Brazilian Morning Glory).** The stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about 9 inches across; flowers about 2 inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. Pkt., 10c.

ISOLOMA

2960 **(Hirsutum Multiflorum Hybridum)** + 12 to 18 in. The large leaves, which are of a texture similar to those of the Gloxinia, are of a rich dark green; the reverse of them, as well as the flower stalks, are covered with bright red hair. The flowers are produced in abundance and in various colors and color combinations. Seed sown in January or February will bloom in June or July, and will continue to flower until winter without cessation. This is a most desirable pot-plant. Pkt., 50c.

JOB'S TEARS—See Coix Lachrymae.

Kochia Childsii (Burning Bush)

KOCHIA

2965 **Childsii.** □ 2½ ft. It resembles a close-clipped ornamental evergreen. The globe-shaped pyramidal bushes are close and compact and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. ½ oz., 15c; pkt., 10c.

KUDZU VINE—See Pueraria.

KAULFUSSIA

2970 **Amelloides.** □ 6 to 12 in. An excellent annual of easy culture with aster-like blue flowers. Pkt., 10c.

LAGURUS

2972 **Ovatus.** □ (Hare's Tail Grass) 8 to 12 in. The plant has somewhat broad leaves and a dense hairy inflorescence resembling a Hare's tail. Will grow in ordinary soil. Pkt. 15c.

LANTANA

2975 **Hybrida, Mixed** + 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

2980 **Dwarf Hybrids.** Mixed. Pkt., 15c.

LAVATERA □ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants, covered during the entire summer with large gay flowers. For large borders and cutting they are very desirable.

2985 **Splendens Alba.** Silky, pure white Pkt., 10c.

2990 **Splendens Rosea.** Bright rose flowers. Pkt., 10c.

2991 **Splendens.** Mixed. Pkt., 10c.

Japanese Morning Glory
Vaughan's Special Mixture

Annual Larkspur Vaughan's Special Mixture

LARKSPUR □

Larkspurs, or Annual Delphiniums, bloom quickly from seed sown in the spring and their fine flower-spikes are exceedingly graceful and attractive in the garden. They furnish the finest cutting material.

Double Stock-Flowered 3 to 4 ft.

2120 **Dark Blue.**
2121 **Dark Rose.**
2125 **Exquisite Pink.**
2127 **Flesh Pink.**
2130 **Lilac.**
2135 **Lustrous Carmine (Newport Pink).**
2140 **Sky-Blue.**
2145 **White.**

Each of the above, ⅛ oz., 25c; pkt., 10c.

2126 **Improved Exquisite.** The habit of plant is upright and not spreading as in the original form. The flowers are a delightful shade of salmon-pink. ⅛ oz., 35c; pkt., 15c.

2150 **Stock Flowered Mixed,** all colors, Oz., 60c; ¼ oz. 20c; pkt., 10c.

2160 **Dwarf Rocket Mixed.** 2 ft. Pkt., 10c.

2165 **Emperor Mixed.** 2 ft. Produces an abundance of long, slender spikes in the most delicate colors. Pkt., 10c.

2170 **Vaughan's Special Mixture of Annual Larkspurs.** A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. 1 oz., $1.00; ¼ oz., 30c; pkt., 10c.

See also Perennial pages and Novelties.

LAVENDER LACE FLOWER—See Didiscus.

LAYIA

2995 **Elegans (Tidy Tips).** □ 1 ft. California annual belonging to the Daisy order. A graceful species with hairy glaucous foliage, has fairly large yellow and white flowers. Succeed in light or sandy soil containing plenty of decayed cow manure, and in a sunny position. Should be grown in groups. Pkt. 10c.

LEPTOSIPHON

3000 **French Hybrids.** □ 10 in. Free flowering hardy annuals, useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. Pkt. 10c.

LIMNANTHES

3016 **Douglasi. (Marsh flower).** □ 6 in. Is a very showy California species bearing white and yellow fragrant flowers in profusion from June to August. Makes a most attractive display when grown in masses in beds or as edgings to borders. Bees are very partial to its flowers. Does best in rich, moist soil in partially shaded positions. Pkt. 15c.

LINARIA

3017 **Maroccana Hybrida Excelsior, Mixed.** □ 1 to 1½ ft. This is a hardy annual with small dainty flowers resembling miniature Antirrhinums and in addition each flower has a long Columbine-like spur. It makes a nice cut flower and the colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. Blooms in about eight weeks from seed. Pkt. 15c.

Have you tried Fall Planting of annual flower seeds? It is very interesting and one secures earlier flowers.

LUPINUS □ 2 ft.

Free flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long blooming spikes of blue, white, yellow and rose; valuable for mixed borders, beds and for cutting; prefers a little shade.

3075 **Hartwegii, White.** Pure white flowers.
3080 **Oxford Blue.** Dark blue.
3085 **Cambridge Blue.** Sky blue.
3090 **Roseus.** Rose colored flowers.
3100 **Subcarnosus (Texas Bluebonnet)** 1 ft. A native of Texas. Charming variety with dark blue and white flowers.
3095 **Annual Yellow.** Beautiful canary yellow. Each of the above, pkt., 10c.
3105 **Tall Annual Varieties, Mixed.** 1 oz., 30c; pkt., 10c.
3110 **Dwarf Annual Varieties, Mixed.** 1 ft. Pkt., 10c.

(See also Perennials.)

LINUM □

3019 **Grandiflorum Coeruleum.** 1½ to 2 ft. Annual blue flax. Dainty flowers of pure pale blue. Pkt. 10c.

3020 **Grandiflorum Rubrum (Crimson Flax)** 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Oz., 25c; pkt., 10c.

LOPHOSPERMUM

3072 **Scandens. (Climbing Foxglove.)** = ÷ 10 ft. An exceedingly handsome half-hardy climber with large pink flowers. Pkt., 25c.

Leptosyne Maritima

LEPTOSYNE □

3010 **Stillmani.** 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden yellow cosmos-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

3015 **Maritima. (Sea Dahlia.)** 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c.

MALOPE (Mallow-Wort) □ 2 ft.

Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.

3115 **Alba.** Large white flowers. Pkt., 10c.
3120 **Rosea.** Flowers large, blush, shaded pink toward center. Pkt., 10c.

MATRICARIA □

3205 **Capensis Fl. Pl. (Feverfew)** 3 ft. Neat, small, double white quilled flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals. Pkt., 10c.

3208 **Eximia, Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

3209 **Eximia Snowball.** 10 in. Profuse blooming bedding plant, double white flowers. Pkt. 10c.

MATTHIOLA

3212 **Bicornis (Evening-scented Stock)** □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. 1 oz., 30c; pkt., 10c.

Lobelia Bedding Queen

LOBELIA ERINUS COMPACTA □

This charming class forms compact little bushes and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

3040 **Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 10c.

3045 **Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.

3050 **Emperor William.** 4 in. Clear sky-blue, with green foliage. Pkt., 10c.

3055 **Pumila Rosea.** Dwarf pink. Pkt., 10c.

3056 **Pumila Alba. Snowball,** white. Pkt., 10c.

3067 **Tenuior.** Large flowered. 16 in. Dark blue. Pkt., 15c.

3070 **Mixed colors.** ⅛ oz., 15c; pkt., 10c.

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3051 **Prima Donna.** 10 in. Rich velvety crimson. Pkt., 15c.

3060 **Speciosa.** 10 in. True dark blue, dark foliage. Pkt., 10c.

3059 **Speciosa Superba Royal Purple.** 10 in. Dark foliage and stems, flowers deep navy blue with white eye. Pkt. 10c.

3061 **Hamburgia.** Sky-blue with white eye. Pkt., 10c.

3065 **Sapphire.** Large, deep blue flowers, with a pure white eye which occupies one-third of the corolla. Pkt., 15c.

MAURANDIA

3215 **Mixed** □ = 10 ft. Slender grower and abundant bloomer. Very desirable for greenhouse and garden. Elegant Gloxinia-like flowers, which range through white, rose, blue and purple in color. Pkt., 10c.

3214 **Barclayana.** Blue. Pkt., 15c.

Lupinus Tall Annual Mixed

Marigold Vaughan's Special Tall Mixed

MARIGOLD (Tagetes) □

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class.

Double Tall Varieties 30 in.

3125 **Eldorado.** Extremely large imbricated double flowers in yellow shades. Pkt., 10c.

3130 **Lemon Queen.** These are lemon color, but the formation of the flower is exactly like the Orange Queen. Pkt., 10c.

3135 **Orange Queen.** Large, perfect, double quilled flowers of a rich, deep, golden orange color. Very attractive. Pkt., 10c.

3136 **Vaughan's Special Mixture of Tall French varieties.** Pkt. 15c.

3145 **French Double Golden Yellow.** Pkt., 10c.

3146 **French Double Lemon Yellow.** Pkt., 10c.

3150 **Vaughan's Special Mixture Tall Marigolds.** This mixture includes both the African and French sorts. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc. ¼ oz., 20c; pkt., 10c.

3155 **Tall French Striped.** Flowers have a yellow ground, with rich brown markings. Pkt., 10c.

3157 **Tall French Josephine.** Single dark brown with an edging of old gold, and a glint of crimson, with petals of rich velvety texture, borne on long stems. Pkt. 10c.

Marigold Vaughan's Special Dwarf Mixture

MARIGOLD—Continued

Double Dwarf African

3160 **Mixed (Pride of the Garden).** 15 in. Immense golden yellow flowers, compact dwarf habit forming dense bushes. Pkt., 10c.

Dwarf French Double Sorts 10 in.

3165 **Gold Striped.** Velvety maroon, striped gold. Pkt., 10c.

3175 **Vaughan's Special Mixture of Dwarf Marigolds, Double and Single Varieties.** These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers. ¼ oz., 20c; pkt., 10c.

Liliput Dwarf Double. 8 in.

Bushy plants covered with small flowers excellent for edging.

3161 **Brown** Pkt. 10c
3162 **Golden** Pkt. 10c
3163 **Sulphur** Pkt. 10c.

Single Dwarf Varieties

3180 **Gilt Edge.** 8 in. Velvet maroon, edged with yellow. Pkt., 10c.

3185 **Golden Star.** Flowers have golden yellow petals with purple-red streaks radiating from the center. Pkt., 10c.

3190 **Legion of Honor.** 8 in. Flowers rich golden yellow, marked with velvety brown. Best for edging Pkt., 10c.

3200 **Signata Pumila.** 10 in. A miniature Marigold forming compact little plants and completely covered with flowers, which are bright yellow with brown stripe down the center of each petal. Very striking for edgings. Sow the seed in spring in boxes and transplant. Pkt., 10c.

MARVEL OF PERU (Four o'Clocks) 2 ft.

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season of white, yellow, crimson and violet. Very charming when used as a hedge plant, rivaling the privet, with its glossy foliage very closely set and dotted all over in the afternoon with a multitude of fairy flowers. It is a little known fact that roots of these may be lifted in the fall and stored like Dahlias and the tubers planted in spring. It will result in larger plants, stronger, and with more flowers.

3305 **Red.** 3307 **Lilac.**
3306 **Rose.** 3308 **Yellow.**

Each of the above, oz., 30c; pkt., 10c.

3290 **Mixed, all sorts and colors.** ¼ lb., 50c; 1 oz., 15c; pkt., 10c.

3297 **Dwarf Mixed.** 1 ft. Pkt., 10c.

3310 **Sweet-Scented (Longiflora Alba).** 28 in. White. Pkt., 10c.

MELOTHRIA

3220 **Scabra (Musk Vine)** □ = 10 ft. Blooms in clusters; flowers small, white and star-shaped, with a strong musk fragrance; leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons. Pkt., 10c.

MIMULUS □

3275 **Moschatus (Musk Plant)** 10 in. Musk-scented leaves, tiny yellow flowers. Pkt., 25c.

3280 **Tigrinus (Monkey Flower) Queen's Prize, Single Mixed.** 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers, ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt., 10c.

MIMOSA

3270 **Pudica (Sensitive Plant)** □ 1 ft. Curious and interesting, pinkish white flowers; the leaves close and droop when touched or shaken. Pkt., 10c.

MINA

3265 **Lobata** □ = 12 ft. A climber of luxurious growth, with tube-shaped flowers; produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange-yellow to creamy white when fully expanded. Pkt., 10c.

MORNING GLORY—See Convolvulus and Ipomoea.

MOURNING BRIDE—See Scabiosa.

MUSK PLANT—See Mimulus.

Try a packet of Leptosyne Stillmanii. It is a quick growing yellow flowering annual and you will like it.

Mignonette Giant Machet

MIGNONETTE (Reseda) □

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

3225 **Bismarck.** 1 ft. The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. Pkt., 10c.

3230 **Golden Queen.** 16 in. Yellow. Pkt., 10c.

3235 **Goliath.** 12 in. Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 inches long by 2 inches in diameter. Pkt., 10c.

3236 **Giant Rocket.** 2 ft. The largest and most robust variety. The flowers are wonderfully fragrant and produced in great abundance. Many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 15c.

3245 **Machet.** 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.

3246 **New York Market.** This is an extra choice strain of Mignonette for greenhouse culture. The plants grow from 2 to 3 feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. Pkt., 25c.

3250 **Pyramidal Large-Flowering.** 20 in. Tall-growing variety. Pkt., 10c.

3260 **Mixed.** Many shades and types. Pkt., 10c.

MUSA

3315 **Ensete (Banana Plant)** + 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds must be started in hot-bed or on bottom heat in greenhouse. 10 seeds, 20c.

Marvel of Peru (Four o'Clocks) Mixed

Myosotis (Forget-Me-Not)

MYOSOTIS (Forget-Me-Not) □ 12 in.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourish in shady, moist situations. The national flower of Belgium.

3320 **Alpestris Blue.** Trailing habit. Pkt., 10c.
3325 **Alba.** White. Pkt., 10c.
3330 **Rosea.** Pink. Pkt., 10c.
3345 **Mixed.** Pkt., 10c.
3331 **Messidor.** Large indigo blue flowers on long stems which makes it a good cut-flower variety. Pkt., 25c.
3335 **Eliza Fonrobert.** Flowers large, sky-blue, with clearly defined white eye. Pkt., 10c.
3340 **Victoria.** 8 in. The flowers are large, bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. Pkt., 10c.

NEMESIA □ 1 ft.

This is one of the dwarf annuals which make pleasing masses of low growth for foreground beds, for edging, and for filling along the front of the taller things. The orchid-like flowers, which are often three quarters of an inch across, are varied in color, ranging from rose, yellow orange and blue.

3360 **Large Flowered Mixed.** Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 25c.
3368 **Scarlet.** Pkt., 20c.
3372 **Orange.** Pkt., 20c.
3373 **Rose.** Pkt., 20c.
3365 **Blue Gem.** 7 inches. One of the best blue annuals for bedding. Pkt., 15c.

Nemesia Large Flowering Mixed

Vaughan's Nasturtiums

For ease of culture, duration of bloom, no annual excels the Nasturtium. Needing only moderately good soil in a well-drained, sunny location, they vouchsafe us a profusion of their gorgeous blossoms. The tall varieties are freest bloomers and produce the largest flowers.

Tall Sorts

3580 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on the same plant.
3585 **Dunnett's Orange.** Bright orange.
3590 **Edward Otto.** Brownish lilac.
3591 **Firefly.** Flowers yellow-spotted, cardinal red.
3593 **Fordhook Fashion.** Terra cotta on yellow ground, dark-leaved.
3596 **General Jacqueminot.** Rich crimson.
3656 **Golden Cloth.** Scarlet with yellow foliage.
3740 **Ivy-Leaved.** Mixed colors. All with fine fimbriated petals. Color intense and very striking. Foliage also very beautiful, like Ivy, and vines exceedingly graceful.
3615 **King Theodore.** Rich, deep crimson flowers, dark leaves.
3616 **King of the Blacks.** Black-red.
3620 **Pearl (Moonlight).** Creamy white.
3625 **Prince Henry.** Yellow, marbled-scarlet.
3640 **Emperor of India.** Very dark foliage. Rich, deep scarlet flowers. The best red.
3645 **Twilight.** Yellow, marbled-salmon rose.
3650 **Vesuvius.** Salmon-rose, dark-leaved.
3665 **Variegated-Leaved Varieties. Many colors mixed.** Very showy flowers. Leaves light green, beautifully marbled and blotched with white.
Each of above, pkt., 10c; oz., 20c.

3745 Vaughan's Special Mixture of Tall Nasturtiums

In this will be found all the choicest colors of all the Tall Nasturtiums, the rich, velvety Lobb's varieties, Canary Bird Creeper and the new variegated-leaved varieties. 1 lb., $1.50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums

This mixture is put up by ourselves from named sorts, and contains a large share of the Liliput and the dwarf Chameleon, which have the richest and most varied combination of colors.

1 lb., $1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

COMBINATION OFFER P58

1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

NEMOPHILA (Baby Eyes) □ 6 in.

Hardiest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower.

3376 **Insignis Blue.** A popular plant for pots or borders. Pkt., 10c.
3380 **Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c.

NYCTERINIA

3430 **Capensis** □ 9 in. Charming little plants for pots, edgings and rockwork, flowers opening at night. White with maroon, delightfully fragrant, Pkt., 10c.

ORNAMENTAL GRASSES—See page 54.

Dwarf Nasturtium Vaughan's Special Mixture

Dwarf Sorts 1 ft.

3460 **Aurora.** Chrome yellow, blotched crimson.
3463 **Beauty.** Scarlet splashed-canary.
3469 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one plant.
3472 **Crystal Palace Gem.** Sulphur-spotted maroon.
3475 **David Burpee.** Velvety purple-scarlet flowers, foliage wavy, emerald green.
3480 **Empress of India.** Very dark leaves, crimson flowers.
3540 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.
3485 **Golden King.** Pure golden yellow.
3490 **King of Tom Thumbs.** Intense deep scarlet, dark foliage.
3495 **King Theodore.** Deep red flower, dark foliage.
3500 **Laciniatium Mixed.** The flowers are deeply laciniated and appear in many attractive colors.
3505 **Lady Bird.** Orange, striped scarlet.
3508 **Pearl.** Creamy white.
3520 **Ruby King.** Ruby-red, dark-leaved.
3525 **Scarlet.** Dark scarlet.
3550 **Spencer, Mixed.** The curly foliage is very unique and the flowers appear in many bright colors.
3555 **Variegated-Leaved Mixed.**
3530 **Vesuvius.** Salmon dark-leaved.
3535 **Yellow.**

Price, any of above, pkt., 10c; oz., 20c.

COMBINATION OFFER O58

1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.

NIEREMBERGIA

3410 **Gracilis** □ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt., 10c.

NOLANA

3385 **Mixed** □ 6 in. **(Chilian Bell Flower).** Dwarf plant for sunny rockeries or borders, needs good light soil. Flowers bell shaped in various colors. Belongs to Convolvulus family. Pkt. 10c.

OXALIS □

3445 **Rosea** An excellent little plant for edging or rock gardens. Blooms all summer in the greatest profusion; flowers dark rose and delicate pink Pkt., 25c.
3450 **Tropaeoloides,** 3 in. Yellow flowers, rich brown foliage. For rock gardens. Pkt., 10c.

Vaughan's Giant Pansies

Vaughan's Improved Swiss Giants

3890 **Vaughan's Improved Swiss Giant Pansies.** The attractive bowl of pansies above were painted from nature by Miss Winifred Walker, the well-known English artist, while in America a year ago last summer. The flowers were secured from one of our north shore estates where pansies are a specialty and represent the Improved Swiss Giant Strain. About one-third natural size.
Five years ago in a European trip we discovered the original Swiss Giant Pansies which has created a sensation where ever grown since. The "Improved" strain which we now offer has many new color combinations, with the same fine substance of flower and good form of plant. The flowers are gigantic size, perfectly round and exhibit shades previously unknown in this family, they bloom early in the spring, continuing in flower all summer until late in fall. Pkt., 50c; 1/16 oz., $1.50; 1/4 oz., $5.00; 1 oz., $18.00.

Swiss Blue and Swiss Alpenglow. See Novelties.

3750 **Adonis.** Light blue with white margin. 1/8 oz.; 50c; pkt., 15c.

3756 **Azure Blue.** Sky-blue. 1/8 oz., 50c; pkt., 15c.

3757 **Bridesmaid.** Shades of white, shining rose. 1/8 oz., 50c; pkt., 15c.

3759 **Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple. 1/8 oz., 50c; pkt., 15c.

3760 **Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3- and 5-blotched, delicately veined, rich color. 1/16 oz., $2.00; 125 seeds, 50c.

3765 **Bugnot.** Shades of red, bronze and reddish cardinal. 1/16 oz., 50c; pkt., 20c.

3766 **Cardinal.** Brilliant red. Pkt., 15c.

3771 **Coal Black.** A jet black. 1/8 oz., 50c; pkt., 15c.

3772 **Comet.** Porcelain-white, lower petals with light blue rays. 1/8 oz., 50c; pkt., 15c.

3779 **Emperor William.** Dark navy blue. Pkt., 15c.

3780 **Eros.** Purple, yellow border. Pkt., 15c.

3781 **Freya.** Violet-purple, silver edged. Pkt., 15c.

3782 **Fiery Faces.** Yellow and red. Pkt., 15c.

3783 **Light Blue.** Without eye. Pkt., 15c.

3785 **Mad. Perret.** Lovely shades of pink. Pkt., 15c.

3793 **Masterpiece (Frilled Pansy).** A remarkable type, each petal being conspicuously curled or waved. The range of color is very extensive, the rich, dark, velvety shades predominating. 1/8 oz., 70c; pkt., 25c.

3794 **Mauve Queen.** Rosy lilac. Pkt., 15c.

3794A **Mercury.** Deep purple-red. Pkt., 15c.

3794B **Minerva.** Brilliant red with 5 dark violet spots. 1/8 oz., 50c; pkt., 15c.

3808 **Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive. Pkt., 15c.

3813 **Pheasant's Eye.** Sky-blue, edged violet. Pkt., 15c.

3814 **Pink.** Fine shades of pink. Pkt., 15c.

3819 **Purple.** Rich deep purple. 1/8 oz., 50c; pkt., 15c.

3822 **Prince Henry.** Darkest blue. Pkt., 15c.

3830 **Ruby Red.** 1/8 oz., 50c; pkt., 15c.

3831 **Siegfried.** Wallflower color. Pkt., 15c.

3832 **St. Knud.** Orange. Pkt., 25c.

3846 **Violet-Blue.** Dark centered. Pkt., 15c.

3849 **Volcano.** Deep red with five large blotches, very fine. 1/16 oz., 50c; pkt., 20c.

3851 **Pure White.** 1/8 oz., 50c.; pkt, 15c.

3857 **Pure Yellow.** 1/8 oz., 50c; pkt., 15c.

3876 **Vaughan's Perfection Mixed.** Flowers extra large, well shaped of most beautiful coloring, of even quality, very prolific of flower and the delight of many of our north shore gardeners. 100 seeds 50c; 1/8 oz., $4.00.

3840 **Trimardeau Mixture.** It has a complete color range, but the new and fanciful varieties are not in it which can only be had in our Vaughan's Giant and International Mixtures. 1/8 oz., 40c; pkt., 10c.

3861 **Early Flowering Giant Mixed.** This strain will bloom about three weeks earlier than any other strain. It has not a complete color range, only twelve distinct plain shades being represented, but it has made a place for itself because of its early blooming. 1/8 oz., 50c; pkt., 15c.

3870 **Chicago Parks Bedding Mixed.** Great diversity of colors, free-flowering, blossoms slightly smaller than the Giant sorts. 1/4 oz., 60c; 1/8 oz., 40c; pkt., 10c.

3880 **Vaughan's International Mixture.** This is a mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Triumph of the Giants, Mammoth Exhibition, Non Plus Ultra, Giant Cassier—all 3- and 5-spotted flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. 3 pkts. (600 seeds), for 65c; 5 pkts. (1000 seeds), for $1.00; 1/8 oz., $1.75; pkt. (200 seeds), for 25c.

3875 **Vaughan's Giant Mixture.** Besides a good share of the "Fancy" strains such as Masterpiece, Bugnot, Cassier, etc., this mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture. 1/8 oz., $1.00; 1 pkt. (250 seeds), 25c; 1 pkt. (125 seeds), 15c.

Nicotiana Affinis

NICOTIANA (Sweet-Scented Tobacco Plant) □ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

3390 **Affinis Tuberose - flowered Tobacco.** Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, carry their flowers in clusters. Pkt., 10c.

3392 **Affinis Hybrida.** Splendid hybrids in blue, red and rose, etc., shades. Pkt., 10c.

3395 **Sanderae.** A lovely hybrid tobacco of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rosy carmine flowers. Pkt., 10c.

3397 **Sanderae Hybrids.** All shades. Pkt., 10c.

3405 **Sylvestris, 4 ft.** A noble-looking plant of pyramidal habit, with long, tubular, pure white flowers, borne in dense panicles. Pkt., 10c.

NIGELLA □ 1½ ft.

3415 **Mixed (Love-in-the-Mist)** A compact, free-flowering plant with finely cut foliage, curious-looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. Pkt., 10c.

3420 **Miss Jekyll.** A lovely variety, bearing on long stems large semi-double flowers of a lovely tender blue, nestling in fine feathery foliage. Pkt., 10c.

Plant Hunnemannia and Nigella Miss Jekyll together and secure a charming combination of blue and gold in your garden.

Nigella Miss Jekyll

OENOTHERA □ ½ to 2 ft.

These open their flowers in the evening and one can enjoy a thrill in his garden if he will sit for 15 minutes at twilight and watch the Evening Primroses (Oenothera) drop their calyx and unfold their petals.

3435 **Evening Primrose, Mixed.** Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume. Pkt., 10c.

3441 **Giant America.** This is a striking variety, as white as snow and as large as a Moonflower. Pkt., 10c.

3442 **Afterglow.** A very attractive new variety; yellow flowers with bright red calyx. Pkt., 20c.

PASSIFLORA

3910 **Coerulea Grandiflora (Passion Flower)** ÷ = 15 ft. **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit. Pkt., 10c.

3911 **Gracilis.** Blue and white. Pkt., 10c.

PENNISETUM (Fountain Grass) □ 2½ ft.

Tender ornamental grasses, valuable either as individual specimens in the garden or for massing, while as for border plants for beds of Cannas or Caladiums nothing equals them.

3920 **Longistylum** Extremely graceful greenish white plumes. Pkt., 10c.

3925 **Rueppelianum.** (Purple fountain grass) graceful green foliage and purplish plumes. Pkt., 10c.

PERILLA

3930 **Nankinensis** □ 1½ ft. Valuable foliage plant, resembling Coleus, dark mulberry-colored leaves. This does especially well in cities as it is not affected by smoke or gas. Seed germinates slowly. Used largely in the gardens of St. Mary's of the Lake Seminary, Mundelein, Ills. Pkt., 10c.

POINCIANA

4230 **Gilliesi (Bird of Paradise)** ÷ 10 ft. The blossoms are of a rich golden yellow, about 2¼ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. Pkt., 10c.

PRIMULA ÷

Chinese Primrose

This is one of the most charming winter flowering house plants. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

4465 **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 100 seeds, pkt., 35c. (VAUGHAN'S SPECIAL)

4460 **Good Mixture of Single Varieties.** Pkt., 15c.

Primula—Various Sorts

4475 **Malacoides.** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

4478 **Malacoides Rosea.** Pkt., 25c.

4480 **Forbesi Baby Primrose.** 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. Pkt., 15c.

Auricula and Veris—See Perennials.

Primula Obconica Grandiflora

This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

4490 **Rosea, Pink.** Pkt., 200 seeds, 25c.

4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt., 200 seeds, 15c.

Primula Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ inches in diameter, and are borne in clusters up to 4 inches across. Should not be planted in leaf mould or peaty soil.

4500 **Gigantea Rosea.** A beautiful clear rose. Pkt., 200 seeds, 25c.

4505 **Gigantea Mixed.** Pkt., 200 seeds, 25c.

Pentstemon Sensation

PENTSTEMON (Beard Tongue) □ 2 ft.

3926 **Sensation.** Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 25c per pkt.

3927 **Sensation Red Shades.** Produces large handsome stalks of gloxinia-like flowers often 2 in. across and in dazzling red shades. Pkt., 25c.

3928 **Sensation Pink Shades.** Charming selection of various shades of pink. Pkt., 25c.

See Perennial pages for other varieties.

POLYGONUM

4232 **Orientale.** □ 7 ft. **Kiss-me-over-the-Garden-Gate.** Old fashioned tall growing plant with panicles of small bright pink flowers at the summit of the branches. Pkt. 10c.

PYRETHRUM (Foliage Plant)

4515 **Aureum Golden Feather** □ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt., 10c.

PYRETHRUM ROSEUM—See Colored Perennial Pages.

PHACELIA □

4101 **Campanularia,** 8 in. A very beautiful annual, producing a terminal raceme of intense gentian-blue flowers with conspicuous white anthers; very effective for edgings, etc., and a charming pot-plant. One of the earliest annuals to bloom and lasts in perfection a long time. Pkt., 15c.

4102 **Tanacetifolia,** 18 in. Large compact head of pale mauve flowers. Valuable bee plant. Pkt., 10c.

Phacelia Campanularia

Pink Glory Romany Lass Triumph Pink

Vaughan's Petunias

Double Large Flowering Varieties

3935 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers.

Pkt., 200 seeds, 50c.

3940 **Lady of the Lake.** Double white fringed.
3943 **Double Heliotrope.** 3949 **Double Rose.**
3946 **Double Red.** 3952 **Double Mixed.**
Each of the above, pkt., 125 seeds, 25c.

3955 **Double Small Flowered Mixed.** The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt., 300 seeds, 25c.

Large Single Flowering Varieties

The flowers of this type average 3 to 4 inches across.

4045 **Brilliant Rose Fringed.** Pkt., 150 seeds, 25c.
4061 **Fimbriata Coerulea.** Fringed delicate blue, veined with dark blue. Pkt., 50c.
4051 **Pink Glory.** The color is pure flame-rose pink. The flowers are slightly ruffled. Pkt., 35c.
4072 **Romany Lass.** The color is a clear bright velvety blood-red with purple throat, striped in black. Pkt., 50c.
4050 **White.** Pkt., 150 seeds, 20c.
4055 **Royal Purple.** Rich velvety color. Pkt. 150 seeds, 20c.
4054 **Triumph Pink.** Large flowers, beautifully ruffled, of a clear, bright pink. Pkt., 35c.
4046 **Venosa.** Blue veins on light blue. Pkt., 50c.
4060 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, in remarkable variety of color. Pkt., 350 seeds, 25c.

Petunias are delightful in a sunny spot. Developing into bushy plants completely covered with charming flowers in a most complete color range and nearly all with a delicate fragrance. Plant in rows and masses in the garden for brilliant effect and dot your gravel paths and stepping stones with a plant at intervals. The effect will be pleasing. Try a few plants of Calliopsis, Crown of Gold, in a bed of pink Petunias. You will be surprised.

Balcony Varieties

Single large flowering sorts.

4030 **Balcony Queen.** Rich, velvety violet with white blotches.
4035 **Balcony White.**
4040 **Balcony Blue.** Rich, velvety blue.
4041 **Balcony Rose.**
4036 **Balcony Star.** Red with white star.
4042 **Balcony Mixed.** The five varieties noted above.
Each of the above, pkt. 150 seeds, 25c.

Portland Petunias

4056 **Pride of Portland.** Deep rose fringed.
4057 **Scarlet Beauty.** Scarlet fringed.
4058 **Elk's Pride.** Plain, edged black-purple.
4059 **White Beauty.** Fringed, pure white.
Each of the above, pkt., 25c.

Single Giant Flowering Varieties

The flowers of this strain average 5 to 7 inches across.

4065 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt., 350 seeds, 25c.
4070 **Giant Empress.** Lilac blue with purple veins. Pkt., 150 seeds, 25c.
4071 **Copper-Rose.** Enormous flowers of wonderful color with a dark throat, deeply veined. Pkt., 150 seeds, 25c.
4075 **Giant White.** With yellow throat. Pkt., 150 seeds, 25c.
4080 **Giant Silvery Rose.** New. Pkt., 150 seeds, 25c.
4081 **King Alphonso.** Very dark crimson, black throated, boldly waved and fringed petals. Pkt., 150 seeds, 25c.
4085 **Giant Rose.** Ruffled veined, black. Pkt., 150 seeds, 25c.
4090 **Giant Black Prince.** Darkest. Pkt., 150 seeds, 25c.
4095 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. Pkt., 250 seeds, 35c.
4100 **Vaughan's Best Mixture Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. Pkt., 300 seeds, 25c.

Single Small Flowering Varieties

3958 **Alba.** Pure white.
3963 **Adonis.** Carmine rose.
3965 **Countess of Ellesmere.** Rose with white throat.
3970 **General Dodds.** Blood-red.
3975 **Howard's Star Improved.** Crimson-maroon with a clearly defined star of blushing white.
3980 **Inimitable.** Blotched and striped.
3981 **Lord Courtenay.** Brilliant rose, yellow throat.
3988 **Venosa.** Light red veined.
Each of the above, pkt., 10c.
3995 **Finest Mixed.** ⅛ oz., 25c; pkt., 10c.

Single Dwarf Small Flowering Varieties

3998 **Blue Bird, Nana Erecta Violacea.** Color steel blue. Pkt., 25c.
4000 **Carmen Sylva.** Baby blue with white throat. Pkt., 10c.
4001 **Heavenly Blue.** A silvery light blue. Pkt., 35c.
4005 **Improved Rosy Morn.** Clear pink with a broad white throat. Pkt., 25c.
4010 **Norma.** Blue with white star. Pkt., 10c.
4015 **Dwarf Inimitable.** Regular white stars on deep old rose ground. Pkt., 10c.
4018 **Rose of Heaven.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. Pkt., 25c.
4020 **Snowball.** Pure satiny white. Pkt., 15c.
4025 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the varieties listed and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. ⅛ oz., 40c; pkt., 10c.

Vaughan's Best Large Flowering Single, Mixed, No. 4100

Petunia Vaughan's Small Flowering Mixed No. 4025

Phlox Drummondi

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

Grandiflora Varieties ☐ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

4105 **Alba.** Pure white.
4107 **Alba Oculata.** White with dark eye.
4110 **Atro-purpurea.** Black-brown.
4113 **Brilliant.** Rose with dark eye.
4115 **Carnea.** Flesh color.
4120 **Chamois Rose.**
4125 **Coccinea.** Fiery scarlet.
4130 **Coerulea Striata.** Blue-striped.
4137 **Dark Blue.** True blue.
4140 **Isabellina.** Yellow.
4145 **Kermesina Splendens.** Crimson with white eye.
4146 **Leopoldi.** Rose with white eye.
4150 **Gold Star.** Pink with gold star.
4155 **Rosea.** Pink.
4156 **Stellata Splendens.** Scarlet with white eye.
4160 **Violet.** With white eye.
Any the above, pkt., 10c.
4165 **Splendid Mixture.** 1 oz., $1.25; ¼ oz., 35c; pkt., 10c.

Cuspidata or Star. These have quaint and unusual flower formation.
4169 **Alba.**
4170 **Coccinea** 4172 **Salmonea**
4171 **Rosea** 4173 **Violacea**
Each of the above, pkt , 15c,
4175 **Cuspidata Mixed.** Mixture of star-shaped flowers. ¼ oz., 40c; pkt., 10c.

4180 **Semi-Double Varieties Mixed.** Plant in sandy soil and the flowers will be inclined to be more double. Pkt., 15c.

Nana Compacta Dwarf 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

4182 **Apricot.** Yellow.
4183 **Fireball.** Blood-red.
4187 **Delicata or Old Rose.**
4189 **Snowball.** Pure white.
4192 **Isabellina.** Yellow.
4195 **Sky-blue with White Eye.**
4200 **Salmon Pink.**
4201 **Mirabilis.** Salmon-pink with white eye.
4203 **Violet.**
Each of the above, pkt., 15c.
4205 **Nana Compacta.** Mixed, all colors. ⅛ oz., 40c; pkt., 10c.
4210 **Cecily.** Mixed, all colors. Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. ⅛ oz., 50c; pkt., 15c.

HARDY PHLOX—See Perennial pages.

Phlox Vaughan's Special Mixture

4220 **Vaughan's Special Mixture Phlox.** Contains all the varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., $1.60; ¼ oz., 50c; ⅛ oz., 30c; pkt., 15c.

Poppies

Single Annual Poppies

4235 **Admiral.** 36 in. Glistening white, with a broad margin of brilliant scarlet. Pkt., 10c.
4238 **Bride.** Very large pure white, perfectly formed flowers. Pkt., 10c.

CALIFORNIA POPPY—See Escholtzia.

4241 **Danebrog or Danish Flag.** 36 in. Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross. Pkt., 10c.
4245 **Flanders Poppy.** 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Double Blue. ½ oz., 25c; 1 oz., 40c; ¼ lb., $1.25; pkt., 10c.
4255 **King Edward.** 36 in. Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.
4270 **Tulip (Glaucum).** 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.

Poppy Shirley

Poppy Special Double and Single Mixed

Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers, which make the plants very attractive. Foliage is hairy and finely cut.

4277 **American Legion.** A dazzling orange-scarlet of enormous size, borne on long, stout stems. Pkt., 15c; ¼ oz. 25c.
4278 **Blue Shirley.** 20 in. Various shades of blue. Pkt., 10c.
4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. ¼ oz., 25c; pkt., 10c.
4285 **Shirley Mixed.** 20 in. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Oz., 30c; pkt., 10c.
4291 **Eldorado (Ryburgh Hybrids).** 2 ft. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. Pkt., 10c.
4295 **Eldorado Salmon Shades.** 2 ft. Pkt., 15c.

SANTA BARBARA POPPY—See Hunnemannia.
ICELAND AND ORIENTAL POPPIES—See Perennial Pages.

Double Annual Poppies

4315 **American Flag.** Flowers very large, snow-white, scarlet bordered. Pkt., 10c.
4320 **Fairy Blush.** 36 in. The flowers have the effect of large feathery balls, overcast with a rosy shade. Pkt., 10c.

Giant Double

4325 **Pure White.** 4340 **Lilac.**
4330 **Pale Yellow.** 4345 **Salmon.**
4335 **Pink.** 4350 **Heliotrope.**
4338 **Cardinal Red.**
Each of the above, pkt., 10c.
4355 **Mikado.** 28 in. Flowers white at base, shading off to pink and rose, with elegantly curled petals, like Japanese Chrysanthemum. Pkt., 10c.
4360 **Scarlet King.** Pkt., 10c.
4365 **White Swan.** Fringed double white. Pkt., 10c.
4368 **Double Shirley.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.
4375 **Carnation-Flowered Mixture of Double Poppies.** Large sized flowers of all shades, many striped. Oz., 30c; ½ oz., 20c; pkt., 10c.
4380 **Peony-Flowered Mixture.** Double ball-shaped flowers of gigantic size. Oz., 30c; ½ oz., 20c; pkt., 10c.
4383 **Rhoeas Fl. Pl. Double French Mixture.** Double form of the Shirley type. Oz., 30c; ½ oz., 20c; pkt., 10c.

Sow perennial seeds early either in May or June and the seedlings will be better size to winter over more successfully.

4390 **Vaughan's Special Mixture, Double Poppies.** This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb., $1.25; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

4310 **Vaughan's Special Mixture Double and Single Poppies.** Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. ¼ lb., $1.25; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

4305 **Vaughan's Special Mixture, Single Poppies.** This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. ¼ lb., $1.25; 2 oz., 75c; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

Portulaca Single Mixed

Portulaca

(Rose Moss) □ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear. Sow between stepping stones.

Large Flowering Single

4400 **White.** 4415 **Striped.**
4405 **Yellow.** 4420 **Scarlet.**
4410 **Pink.**
Each of the above, oz., $1.00; ¼ oz., 35c; pkt., 10c.

4425 **Giant Parana.** The flowers are fully twice as large as those of other Portulacas and of the most dazzling reddish-purple. Pkt., 10c.

4430 **Single Mixed.** Lb., $6.00; ¼ lb., $1.70; 1 oz., 60c; ¼ oz., 20c; pkt., 10c.

Large Flowering Double

4435 **White.** 4441 **Salmon.**
4438 **Yellow.** 4443 **Scarlet.**
4440 **Pink.**
Each of the above, pkt., 10c.

4455 **Double Best Mixture.** 1 oz., $2.50; ⅛ oz., 50c; pkt., 10c.

ROSE

4575 **Polyantha Nana.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. Pkt., 10c.

Portulaca Double Best Mixed

RHODANTHE (Everlasting) □ 1 ft.

A charming annual; succeeds in a light, rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting.

4530 **Manglesi Rose.** Bright rose flowers, very graceful, makes a pretty pot plant.
4533 **Maculata Alba.** White.
4535 **Maculata Rosea.** Rose.
4540 **Mixed.**
Each of above, pkt., 10c.

RUDBECKIA

4580 **Bicolor Superba (Coneflower)** □ 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.

4581 **Triloba. (Thin Leaved Cone-Flower).** 2-5 ft. July-August, deep yellow. One of the best Rudbeckias. Dense bushy plant. Grows in sun or shade, any soil. Numerous rayed flowers form a brilliant mass of color. Clean foliage. Associate with Larkspurs in shrubbery or border. Flowers the first year from seed. Biennial. Pkt. 25c.

RICINUS (Castor Bean) □

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

4545 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 10c.

Ricinus Zanzibariensis Mixed

4546 **Crimson Spire.** The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple color gradually changing to bronzy green, with red stems, stalks and vines. The numerous large seed spikes are brilliant rosy crimson. Pkt., 15c.

4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.

4548 **Gibsoni.** Mulberry-colored foliage. Oz., 25c; pkt., 10c.

4550 **Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered. 1 oz., 25c; pkt., 10c.

4555 **Sanguineus.** 6 ft. Green leaved, red stems. 1 oz., 20c; pkt., 10c.

4560 **Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz., 20c; pkt., 10c.

4565 **Zanzibariensis Enormis.** 1 oz., 25c; pkt., 10c.

4570 **Mixed.** Many sorts. 1 oz., 15c; pkt., 10c.

SAPONARIA (Soapwort)

4691 **Vaccaria Rose** □ 2 ft. The light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, are produced in greatest profusion.
4693 **Vaccaria Alba.** White.
4692 **Vaccaria Mixed.**
4694 **Multiflora Scarlet Queen.** 6 in. Compact habit, bearing an immense number of rosy-scarlet flowers.
Each of the above, pkt., 10c.

Salpiglossis Vaughan's Special Mixture

SALPIGLOSSIS □ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a Petunia but rivaling the latter in the beautiful colors displayed. Nearly every flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals.

4590 **Bright Crimson.** 4611 **Blue and Gold.**
4591 **Brown and Gold.** 4612 **Purple and Gold.**
4595 **Faust.** Black. 4613 **Scarlet and Gold**
4600 **Rose and Gold.** 4614 **Velvety Red.**
4605 **Velvety Violet.** 4616 **White and Gold.**
4610 **Golden Yellow.**
Each of the above, per pkt., 15c.

4615 **Gloxiniaflora Mixed.** A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c.

4625 **Emperor Mixed.** Large improved strain, complete range of colors. Pkt., 10c.

4630 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 35c; pkt., 15c.

VAUGHAN'S SPECIAL

SAINTPAULIA ÷ 4 in.

4589 **Ionantha. African Violet.** A free and long-flowering pot-plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers resembling those of a large single sweet-scented violet. Pkt. 30c.

Saponaria Mixed

Vaughan's Sweet Peas

Late Flowering Spencer

Sweet Peas are among the seeds to be sown very early in the spring. They should go into the ground as soon as the soil can be worked, and should be planted six inches deep, being covered at first with only two inches of soil, the trench being filled as the plants grow. It is best to soak the seeds for several hours before they are planted. If this plan of planting early is followed, and if the Sweet Peas are kept mulched with peat moss or with lawn clippings or else watered abundantly, they will almost certainly give a fine crop of blooms.

4987 **Avalanche.** Glistering white of great substance. Pkt., 15c.
5002 **Carmelita.** Rose pink on white ground. Pkt., 15c.
5003 **Charity.** Best red. Oz., 25c; pkt., 10c.
5004 **Charming.** Rosy cerise. Pkt., 15c.
5006 **Chieftain.** Pure satiny mauve. Pkt., 15c.
5015 **Commander Godsall.** Violet-blue. Oz., 30c; pkt., 10c.
5020 **Constance Hinton.** The best white for outdoor planting. Oz., 30c; pkt., 10c.
5025 **Crimson King.** A rich deep crimson. Oz., 30c; pkt., 10c.
5038 **Defiance.** Glowing orange scarlet. Pkt., 15c.
5039 **Del Monte.** Salmon cerise pink. Pkt., 15c.
5041 **Edna May Improved.** Pure white. Oz., 25c; pkt., 10c.
5065 **Fiery Cross.** Turkey-red. Oz., 30c; pkt., 10c.
5066 **George Shawyer.** Giant salmon-rose. Oz., 25c; pkt., 10c.
5069 **Gold Crest.** Orange tinted salmon. Pkt., 15c.
5070 **Guinea Gold.** Golden orange. Pkt., 15c.
5115 **Hawlmark Salmon Pink.** A wonderful shade. Oz., 25c; pkt., 10c.
5116 **Hebe.** Large bright pink. Oz., 30c; pkt., 10c.
5117 **Heavenly Blue.** A new delphinium-blue. Oz., 30c; pkt., 15c.
5130 **Illuminator.** Bright salmon, cerise sparkling with orange. Oz., 30c; pkt., 10c.
5131 **Ivory Picture.** Ivory cream. Pkt., 15c.
5145 **King White.** Absolutely pure white. Oz., 25c; pkt., 10c.
5168 **Magnet.** Bright cream pink. Pkt., 15c.
5146 **Majestic Cream.** Rich deep cream. Oz., 25c; pkt., 10c.
5167 **Mary Pickford.** Dainty cream-pink, suffused salmon. Oz., 30c; pkt., 15c.
5170 **Mermaid.** Rich true lavender. Pkt., 15c.
5184 **Miss California.** Orange-salmon with cream-pink. Oz., 30c; pkt., 10c.
5198 **Peggie.** Cerise flushed orange. Pkt., 15c.
5199 **Pinkie.** Large rose pink. Pkt., 15c.
5195 **Powers Court.** One of the finest lavenders. Oz., 30c; pkt., 10c.
5196 **President Harding.** Peach-red. Oz., 30c; pkt., 10c.
5200 **Prince of Orange.** Deep orange. Pkt., 15c.
5255 **Royal Purple.** The best purple. Oz., 25c; pkt., 10c.
5259 **Royal Salute.** Deep cerise. Oz., 25c; pkt., 10c.
5260 **Royal Scot.** The most brilliant scarlet. Oz., 25c; pkt., 10c.

Vaughan's Special Mixture

5320 **Spencer Varieties.** This mixture is one we make ourselves from named sorts of late flowering ruffled or Spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

5261 **Royal Sovereign.** Orange. Pkt., 15c.
5263 **Snowball.** Dazzling white, of great substance; very fragrant. Pkt., 15c.
5269 **Sunkist.** Bright rose amber ground. Pkt., 15c.
5280 **Tangerine.** Deep orange-colored flower. Oz., 30c; pkt., 10c.
5310 **Warrior.** Rich chocolate-maroon. Oz., 25c; pkt., 10c.
5293 **Wembly.** Lavender suffused Plumbago blue. Pkt., 15c.
5294 **What Joy.** Cream. Pkt., 15c.
5295 **Wizard.** Glowing salmon scarlet. Pkt., 15c.
5311 **Youth.** Large white, pink picotee edge. Oz., 30c; pkt., 10c.
5630 **Sweet Peas, Vaughan's Prize Mixture.** 1 lb., $1.50; ¼ lb., 40c; oz., 15c; pkt., 10c.

10 Best Late Flowering

Spencer Sweet Peas

Collection No. 5325

Price, one packet of each for 50c.

White	Avalanche
Salmon Pink	Del Monte
Crimson	Crimson King
Light Blue	Gleneagles
Lavender	Wembly
Cream Pink	Mary Pickford
Salmon Orange	Gold Crest
Dark Blue	Fortune
Maroon	Warrior
Picotee Edged	Youth

Early and Long Season Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period. Excellent for greenhouse planting.

5339 **Alameda.** Deep rose-pink, overlaid with glowing salmon cerise-pink on white ground. Pkt., 25c.
5340 **All-White.** White seeded. Oz., 60c; pkt., 10c.
5345 **Amethyst.** Royal purple. Oz., 50c; pkt., 10c.
5348 **Ball's Blue.** Clear blue. Pkt., 15c.
5349 **Ball's Rose.** A bright dark rose with amber flush. Pkt., 15c.
5352 **Belle.** Clear rose-pink on deep cream ground. Pkt., 25c.
5353 **Blue Bonnet.** Large, fine deep blue. Pkt., 25c.
5375 **Blue Bird.** Violet-blue. Oz., 60c; pkt., 10c.
5350 **Blue Boy.** Largest and clearest blue. Pkt., 10c; oz., 60c.
5351 **Bright Light.** Flaming scarlet. Pkt., 15c.
5354 **Burpee's Lavender.** A lovely light Wisteria lavender. Pkt., 25c.
5380 **Christmas Red or Red Cross.** Pkt., 25c.
5385 **Columbia.** The best pink and white. Oz., 50c; pkt., 10c.
5395 **Cream.** Oz., 50c; pkt., 10c.
5396 **Duplex Pioneer.** Rose-pink. Pkt., 25c.
5398 **Eldorado.** Orange. Oz., $1.00; pkt., 15c.
5400 **Enchantress.** Rose pink. Oz., 50c; pkt., 10c.
5402 **Edward Zvolanek.** Large lavender. Pkt., 10c; oz., 60c.
5409 **Fair Maid.** Blush pink; suffused salmon on white ground. Oz., 50c; pkt., 10c.
5416 **Giant Rose.** Improved Zvolanek's rose. Pkt., 15c.
5420 **Glitters.** Standard bright fiery orange, wings deep orange. Oz., 60c; pkt., 10c.
5430 **Grenadier.** A glowing poppy-scarlet. Oz., 75c; pkt., 25c.
5438 **Harmony.** Clear lavender. Oz., 60c; pkt., 10c.
5439 **Hercules.** Mammoth rosy pink. Oz., 50c; pkt., 10c.
5451 **Illumination.** Salmon cerise. Oz., 60c; pkt., 10c.
5452 **Imperial Pink.** Clear pink. Oz., 75c; pkt., 15c.
5466 **Jeanne Mamitsch.** Striking pink, shading off to deepest pink. Oz., 75c; pkt., 15c.
5486 **Majestic.** Immense deep, brilliant rose-pink flowers on long stems. Pkt., 35c.
5487 **Marine.** New, clear blue. Pkt., 25c.
5489 **Morse's Superior Pink.** Beautiful clear rose-pink, very slightly shaded with salmon. Oz., 75c; pkt., 15c.
5488 **Mrs. Calvin Coolidge.** Salmony pink. Oz., 75c; pkt., 15c.
5490 **Mrs. Chas. A. Zvolanek.** Clear lavender. Oz., 50c; pkt., 10c.
5495 **Mrs. Herbert Hoover.** "The California Blue." Pkt., 25c.
5491 **Mrs. Kerr.** The best salmon. Oz., 75c; pkt., 25c.
5485 **Miss Louise Gude.** Brilliant pink. Oz., 60c; pkt., 10c.
5492 **New Blue.** Deep blue. Oz., 75c; pkt., 15c.
5493 **Orange King.** Glowing intense orange. Oz., $1.00; pkt., 25c.
5500 **Oriental.** Very large cream of the deepest shade. Pkt., 25c.
5520 **Rose Queen.** Rose pink. Oz., 60c; pkt., 10c.
5525 **Sunray.** Brilliant glowing yet soft cerise on cream ground with a suspicion of orange. Pkt., 25c.
5540 **Snowstorm Improved.** Flowers large, pure white, of great substance. Oz., 60c; pkt., 10c.
5542 **Sweet Lavender.** Pure lavender self. Oz., 75c; pkt., 15c.
5551 **The Blaze.** Glistening fiery orange of great substance. Sun-proof. Pkt., 25c.
5555 **Valencia.** Color bright orange, sun-proof, softer tone than Orange King but with immense vigor in growth, length of stem and size of blooms. Pkt., 25c.
5556 **Vulcan.** Vivid scarlet. Oz., 60c; pkt., 10c.
5585 **Zvolanek's Rose.** A giant rose pink. Oz., 60c; pkt., 10c.
5586 **Zvolanek's Orange.** Oz., 60c; pkt., 10c.

5595 **Vaughan's Special Mixture Early Flowering Spencers.** All the varieties listed and many others. Oz., 60c; pkt., 15c.

10 Best Early Flowering

Spencer Sweet Peas

Collection No. 5600

Price, one packet of each for 75c.

Lavender	Harmony
Rose Pink	Giant Rose
Orange	Orange King
Blush Pink	Fair Maid
White	White Harmony
Blue	New Blue
Scarlet	Aviator
Cerise	Glitters
Deep Rose	Ball's Rose
Royal Purple	Amethyst

Salvia Splendens America

SALVIA

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

4640 **America, or Globe of Fire.** 16 in. This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. Pkt., 25c.

4655 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt., 10c.

4660 **Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike as the ordinary Salvia Splendens. Pkt., 10c.

4650 **Fireball.** 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

4665 **Maroon Prince.** 2 ft. Particularly rich and royal color. A purple-violet with a velvety sheen. Pkt., 15c.

Cut blooms of Salvia Maroon Prince and Centaurea America, are a charming combination for vase decoration.

4670 **Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes. Pkt., 15c.

4675 **Mixed.** The above sorts and others. Pkt., 10c.

4680 **Coccinea.** 2 ft. Annual scarlet sage. Pkt., 10c.

4683 **Farinacea.** 3 ft. Tall spikes of the most lovely pale cloudy blue. Blooms form a dense mass of foliage. Pkt., 10c.

See also Perennial Pages.

Scabiosa Vaughan's Special Mixture

SANVITALIA

4690 **Procumbens Fl. Pl.** □ 6 in. Sanvitalia flowers are much like tiny Zinnias, being golden yellow with very dark purple centers, some of them single and others double. The plants grow only six inches tall, or rather they are prostrate and spread over the soil instead of growing upward. They start blooming in June and continue until frost. Pkt., 10c.

SCABIOSA (Mourning Bride) 2½ft. □

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

Large Flowering Double

4695	**Snowball.**	4715	**Azure Fairy.**
4700	**Golden Yellow.**	4720	**Cherry Red.**
4705	**Flesh.**	4725	**Black Prince.**
4710	**Fiery Scarlet.**	4730	**Rose.**
4731	**Amethyst or Ageratum Blue.**		

Each of above, per pkt., 10c.

See also Perennial Pages.

4740 **Vaughan's Special Mixture.** Many new colors have been purchased for this, and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt., 10c.

SCARLET RUNNER

4766 **Scarlet Emperor.** □ In northern locations where summers are cool and short this takes the place of the Large Lima Beans. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are of bright scarlet, heavily blotched with purple. Pkt., 10c.

SENECIO ELEGANS □ 12 in.

These lovely annuals are among the most desirable of all easily grown garden flowers. Free growers and continuously in bloom.

4771	**Double Lilac**	4773	**Double White**
4772	**Double Red**	4774	**Double Mixed**

Each of above, Pkt. 10c.

SENSITIVE PLANT—See Mimosa Pudica.

SILENE

4775 **Armeria Mixed** □ 1½ ft. **(Catchfly.)** A very showy early flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Pkt., 10c.

SMILAX + = 6 ft.

4780 Makes a fine pot or basket plant. Elegant for table decoration when cut. Pkt., 10c.

SNAPDRAGON—See Antirrhinum.

SNOW ON THE MOUNTAIN—See Euphorbia Variegata.

SOLANUM

4785 **Capsicastrum Nanum** ÷ 2 ft. **(Jerusalem Cherry.)** Easily grown plants with ornamental fruit. Especially fine for pots. Pkt., 10c.

4790 **Cleveland Cherry.** This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 15c.

SWEET WILLIAM—See colored perennial pages.

STEVIA

4825 **Serrata** □ ÷ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 10c.

STREPTOCARPUS

4826 **Largest Hybrids.** + 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 25c.

CHINESE FORGET-ME-NOT (Cynoglossum Amabile) is a beautiful blue flower.

Schizanthus Vaughan's Excelsior Hybrids

SCHIZANTHUS □

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern-like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house for spring blooming.

4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Superior to anything yet offered. Pkt., 25c.

4756 **Rose and Amber Shades.** Quite a new strain of pink and rose tints, mostly heavily blotched gold and bronze but also contains some very delicate and pleasing pinks. Pkt., 25c.

4760 **Wisetonensis Mixed.** 1½ ft. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. Pkt., 15c.

4765 **Mixed, all colors.** ¼ oz., 15c; pkt., 10c.

4759 **Retusus Rosamunde.** 2 ft. Of upright and stiffer growth than above which makes this type more suitable for cut-flower purposes. Delicate rose-spotted flowers. Pkt., 25c.

SPIDER PLANT—See Cleome Pungens.

STATICE □

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlastings, and have come to be indispensable in making winter bouquets.

4795 **Russian (Suworowii, or Rat Tail)** 1 ft. Flowers bright rose color. Pkt., 15c.

4800 **Bonduellii.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4801 **Sinuata Rosea Superba.** 3 ft. A charming new bright color. Pkt., 10c.

4802 —**True Blue.** 3 ft. A new deep blue. Pkt. 10c.

4804 —**White.** 3 ft. Pkt., 10c.

4805 —**Mixed.** 3 ft. Pkt., 10c.

Statice Sinuata Mixed (For Winter Bouquets)

Stock Bismarck

STOCKS (Levkojen) □

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Bismarck 2½ ft.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and large flower stalks. The best variety for greenhouse use.

4925 **White**
4924 **Appleblossom**
4940 **Gold Ball**
4947 **Flesh**
4948 **Golden Rose**
4946 **Chamois.**
4945 **Blood-red**
4930 **Lilac**
4932 **Lavender**
4931 **Dark Blue**
4944 **Elk's Pride**

Each of the above, pkt., 15c.

4949 **Bismarck Mixed.** ⅛ oz., 50c; pkt., 15c.

Giant Perfection "Cut and Come Again" 1½ ft.

Useful for outdoor bedding as well as for pots or cut flowers. They throw out numerous side branches, all bearing very double, fragrant flowers.

4875 **Improved Snowdrift White**
4880 **Canary Yellow**
4885 **Pink**
4895 **Scarlet**
4905 **Light Blue**
4915 **Dark Blue**
4890 **Old Rose Improved.** A favorite color in Garfield Park Conservatory in Chicago.
4900 **Empress Augusta Victoria.** Silvery lilac.
4910 **Heatham Beauty.** A rich mauve, shaded terra cotta.

Each of the above, pkt., 10c.

4920 **Giant Perfection Mixed.** ⅛ oz., 40c; pkt., 10c.

Stock Giant Perfection Mixed

STOCKS—Continued

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

4830 **White**
4835 **Canary Yellow**
4838 **Flesh**
4841 **Rose Pink**
4845 **Crimson**
4850 **Light Blue**
4853 **Mauve (Water Blue)**
4856 **Dark Blue**

Each of the above, pkt., 10c.

4865 **Best Mixed.** ⅛ oz., 50c; pkt., 10c.

4970 **Vaughan's Special Mixture of Stocks.** Contains all the varieties listed and many others not cataloged. ⅛ oz., 50c; pkt., 15c.

SUNFLOWER (Helianthus) □

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders.

Large Flowered Tall

2700 **Annuus Purpureus, Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. ¼ oz., 25c; pkt., 10c.

2704 **Intermediate Sanguineus Excelsior.** A cross between the Helianthus cucumerifolius purpureus and the Helianthus annual purpureus; from the former it secured its elegant growth, while the latter furnished the large size of the magnificent red flowers. Pkt., 15c.

2705 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. Pkt., 10c.

2707 **Californicus Fl. Pl.** 5 ft. Double dark yellow. Pkt., 10c.

2709 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Pkt., 10c.

2715 **Double Mixed.** Pkt., 10c.

2717 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color. Pkt., 10c.

2722 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful for massing in beds. Pkt., 10c.

2725 **Russian Mammoth.** Single, of gigantic dimensions. A couple of rows of sunflowers planted on the outside of the poultry yard fence will serve a double purpose. They will make splendid shade and provide good feed. 1 oz., 5c.

Miniature-Flowered

The cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers.

2727 **Cucumerifolius.** 3½ ft. Charming small flowers, rich golden yellow with brown-black center. ¼ oz., 25c; pkt., 10c.

2735 **Stella.** Large golden yellow petals; small, dark center. Pkt., 10c.

2737 **Orion.** Petals rolled, resembling Single Cactus Dahlia. Pkt., 10c.

2740 **Purpureus.** Flowers shades of red and yellow. Pkt., 10c.

2745 **Double Hybrids.** Double and semi-double flowers. Pkt., 10c.

2750 **Liliput, Baby Sunflower.** 6 to 8 in. The plants are of a somewhat creeping growth, similar to those of Verbenas. Flowers are single, bright yellow, dark disk. Pkt., 10c.

2755 **Vaughan's Special Mixture.** Includes all the above of cucumerifolius varieties. ¼ oz., 20c; pkt., 10c.

2760 **Vaughan's Special Mixture** of all the single and double Sunflowers. ½ oz., 25c; pkt., 10c.

TITHONIA

5641 **Speciosa Mexican Sunflower.** ① A rare plant from Mexico. Throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange-scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house, if lifted before frost. Pkt., 25c.

In making up your 1930 Budget do not forget your Garden Needs.

Thunbergia Mixed

THUNBERGIA

5640 **Alata, Mixed (Black-Eyed Susan)** □ = 5 ft. A lovely trailing plant with large showy flowers. It will trail over the ground, forming a dense mat of foliage and flowers. Colors range through all shades of yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes, which are very effective. ⅛ oz., 30c; pkt., 10c.

SWEET ROCKET — See Hesperis in Perennial Pages.

SWEET WILLIAM—See Colored Perennial Pages.

SURPRISE GARDEN — See Page 41.

TORENIA

5645 **Fournieri** □ + 10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue. With a touch of gold on the lip. They are excellent for beds, pots or hanging baskets. Pkt., 15c.

5650 **White Wings.** Flowers white with rose throat. Pkt., 10c.

5651 **Baillonii,** yellow with brown markings. Pkt., 15c.

TRACHELIUM

5656 **Coeruleum.** □ Height, 18 in. Free-growing annual having large cloud-like heads of tiny blue flowers resembling Gypsophila. Makes a fine pot plant. Pkt., 25c.

TRITOMA

5655 **Hybrida Mirabilis** □ An annual Red-Hot Poker Plant. Seed should be sown in temperate heat from January to March, pricked off and treated like half hardy annuals. The seedlings may be planted in open ground from end of April to May and they will bloom freely from August to late in the autumn. Pkt., 15c.

Torenia Fournieri

Vaughan's Verbenas □ 18 in.

The rich colors of the Verbena have endeared it to us for years. Most persons know its range of brilliant colors; the pinks are like those found in Trailing Arbutus; the purple is truly royal; the scarlet is like rich velvet; the white is as pure as snow; the blue and lavender tints are dainty; and besides the clear color varieties there are sorts with white and dark eyes, and others that are striped.

Gigantea

This is a new strain of Grandiflora Verbenas; the plants are compact growers, bearing immense trusses, the individual florets measuring an inch and over in diameter.

5701 **Gigantea Alba.** Pure white.
5702 **—Coccinea.** Scarlet, small eye.
5701A **—Etna.** Geranium-red, with a cream eye.
5703 **—Lucifer.** Vivid scarlet self.
5704 **—Luminosa.** Luminous flame-pink shading to salmon.
5705 **—Rose Cardinal.** Carmine-rose with large white eye.
5706 **—Rosea Stellata.** A pure rose-pink, with large white eye.
5707 **—Violacea Stellata.** Deep violet, white eye.
Each of above, pkt., 25c.
5708 **Gigantea Mixed.** A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive. ⅛ oz., 50c; pkt., 25c.

Hybrida

5660 **Defiance.** An intense scarlet.
5661 **Lucifer.** Vivid scarlet self.
5666 **Blue Shades.**
5670 **Lutea.** Yellow.
5680 **White.** Dense heads of finely shaped white flowers.
5685 **Mayflower.** Various shades of pink.
5695 **Firefly.** Intense red.
5700 **Purple Shades.** Dark purple.
Each of the above, pkt., 10c.

5730 **Vaughan's Best Mixture.** It includes all the Mammoth and Gigantea sorts and several other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it willpro duce flowers that will delight all beholders throughout summer. 1 oz., $3.00; ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

5715 **Mammoth Mixed.** Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple. ¼ oz., 40c; pkt., 10c.

5750 **Citriodora (Lemon-Scented Verbena)** ÷ An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.
5755 **Erinoides.** 12 in. Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue. Pkt., 10c.
5760 **Erinoides Alba.** 12 in. Of the same character as the Erinoides purple, but with white flower heads; very pretty. Pkt., 10c.
5765 **Venosa** 1 ft. Largely used for bedding purposes; strong, thrifty grower, covered with bright purple and heliotrope flowers. All the Chicago Parks use this extensively as a bedding plant with alyssum as a ground cover for the heliotrope-like flowers. ⅛ oz., 30c; pkt., 10c.

VINCA ROSEA (Periwinkle) + 1 ft.

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Seed germinates slowly.

5775 **White.**
5780 **Delicata.** Soft pink.
5785 **White with Eye.**
5790 **Pink.**
Each of above, pkt., 10c.
5800 **Vinca Rosea Mixed.** Pkt., 10c.

Vinca Rosea Mixed

WALLFLOWER (Goldlack) ÷ 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the Northern States, should be wintered in cold frames.

5820 **Single Mixed.** Pkt., 10c.
5825 **Annual Blood-Red.** Pkt., 10c.
5830 **Annual Golden Gem.** Pkt., 10c.
5835 **Annual Mixed.** Pkt., 10c.
5840 **Double Mixed.** Pkt., 15c.
5832 **Early Forcing Annual Double.** This was developed by crossing the perennial double with the early annual and should thrive and bloom profusely in warm and dry countries where only the early annual singles are successfully cultivated. A fine pot-plant and if sown early will bloom first year from seed. Pkt., 25c.

Annuals for a Rock Garden

The Alpine plants are really the true rock plants, but many annuals are needed to complete a rock garden. So in answer to many inquiries we suggest the following varieties:

Abronia
Ageratum
Alyssum
Anagallis
Calandrinia Grandiflora
Leptosiphon
Nierembergia Gracilis
Nemophila Insignis
Portulaca
Phlox Dwarf
Sanvitalia Procumbens
Verbena Erinoides
Verbena Venosa
Zinnia Liliput
Zinnia Mexicana

VIRGINIA STOCK

5815 **Mixed** □ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect. ¼ lb., 60c; oz., 25c; ½ oz., 15c; pkt., 10c.

ZEA (Rainbow Corn)

6175 **Japonica Quadricolor Perfecta** □ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich, light, warm soils. The leaves are striped in yellow, green, rose and dark red. Pkt., 10c.

Virginia Stock

Giant Zinnias

The most gorgeous annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. If you plant but one annual, plant this. May be taken up when in full bloom and transplanted without any visible effect. If grown in sunny spot in well fertilized soil and watered freely the flowers will be more completely double as lack of these stunts the plant and flowers are apt to revert to the old single type. Has no enemies, either insect or fungus.

Dahlia Flowered 3 to 4 ft.

In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance the flowers compare with the Show Dahlias.

6132 **Buttercup.** An immense deep creamy yellow.

6131 **Canary Bird.** A delicate shade of primrose—very large and holds its color well until out of bloom.

6133 **Crimson Monarch.** Rich crimson. By far the largest and best of red shades. Flowers often eight inches in diameter.

6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).

6135 **Exquisite.** By far the most pleasing of our collection. Color light rose with center a deep rose. (Tyrian Rose.)

6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.

6130 **Illumination.** Similar to Exquisite but a striking self-color of deep rose. (Tyrian Rose.)

6141 **Lemon-Yellow.** Golden yellow on brown, fine pastel shade. Very large flowers.

6142 **Meteor.** A rich glowing deep red; darkest of all red shades. Free flowering.

6138 **Oriole.** It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.

6139 **Polar Bear.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

6143 **Purple Prince.** A fine deep purple of fine form.

6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

Each of the above, pkt., 15c; any 4 pkts., for 50c.

6145 **Dahlia Flowered Mixed.** All the above and others. A very charming and delightful surprise will be the result if you plant this liberally in your garden. Oz., $1.50; ¼ oz., 50c; pkt., 15c.

California Giants 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower from bud to full bloom presents a graceful appearance.

6164 **Cerise Queen.** Beautiful cerise rose.

6162 **Enchantress.** Extra choice pink.

6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side, the two shades blending as the flower develops. It is the only Zinnia with fragrance.

6163 **Miss Willmott.** Soft pink.

6151 **Orange King.** Similar in color to the Calendula of the same name.

6152 **Orange Queen.** Lighter than Orange King.

6153 **Purity.** A clean pure white.

6166 **Rose Queen.** Tyrian rose with deep rose-red center.

6165 **Scarlet Gem.**

Each of the above, pkt., 15c; any 4 pkts. for 50c.

6156 **California Giants Mixed.** Oz., $1.50; ¼ oz., 50c; pkt., 15c.

Zinnia Colossal Crimson

Zinnia Dahlia Flowered Mixed

Colossal or Giant Flowered 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

5940	**Apricot Yellow.**	5978	**Lavender.**
5935	**Buttercup.**	5975	**Orange.**
5976	**Burnt Orange.**	5960	**Pink Shades.**
5937	**Bright Rose.**	5990	**Purple.**
5930	**Cream.**	5950	**Salmon Shades.**
5977	**Crimson.**	5955	**Shrimp Pink.**
5943	**Deep Flesh.**	5980	**Scarlet.**
5944	**Salmon Rose.**	5985	**Violet.**
5965	**Golden Yellow.**	5925	**White.**

Each of the above, pkt., 10c.

6015 **Vaughan's Colossal Zinnias, Mixed.** Lb., $12.00; ¼ lb., $3.00; oz., $1.00; ¼ oz., 30c; pkt., 10c.

Giant Picotee

A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations.

6157 **Giant Picotee Mixed.** Pkt., 25c.

6170 **Vaughan's Special Mixture of all Giant** sorts including the cream of the Dahlia Flowered Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden. Pkt., 25c. 5 pkts. for $1.00.

VAUGHAN SPECIAL

Quilled Type

6158 **Achievement or Victory Mixed.** The petals are partially tubular or quilled giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as salmon, old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large, double flowers, often 5 inches in diameter. Pkt., 25c.

FLOWERS FROM SEED FOR SHADE OR SEMI-SHADE

Achillea	Impatiens
Aconitum	Kenilworth Ivy
Aquilegia	Lobelia
Asperula	Lychnis
Balloon Vine	Mimulus
Begonia	Myosotis
Bellis	Nemophila
Campanula	Pansy
Cowslip	Platycodon
Coreopsis	Poppy (Perennial)
Dictamnus	Torenia
Digitalis	Primulas
Godetia	Trollius
Heuchera	Viola Cornuta
	Violet

Zinnias for Bedding

THESE are smaller and more bushy than the Giant sorts and flower more freely so they can be used to advantage in solid beds and the shortest sorts may be used in edging. The Red Riding-Hood is particularly good used in this way.

Zinnia Pumila Watermelon Pink

Pumila Double 18 in.

Extra double flowers, produced on regular dwarf plants.

6080 **Snow Ball.** 6093 **Pink Ball.**
6085 **Golden Ball.** 6095 **Fire Ball.**
6100 **Watermelon Pink.** A very pleasing and charming shade of salmon-rose.
Each of the above, pkt., 10c.
6105 **Pumila Mixed, all colors.** Oz., 75c; ¼ oz., 25c; pkt., 10c.
6110 **Red Riding-Hood.** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. ¼ oz., 30c; pkt., 10c.
6115 **Mexicana Hybrida.** 16 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free-flowering and pretty. Pkt., 15c.
6120 **Mexicana Fl. Pl.** 16 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.
6125 **Mexicana Fl. Pl. Hybrids.** 16 in. Double flowers in various shades. Pkt., 10c.

Zinnia Vaughan's Colossal Golden Yellow

Elegans Fl. Pl. Double Flowered 2½ ft

5860 **Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias.
5890 **Jacqueminot.** Blood-red.
Each of above, pkt., 10c.

Pompon or Liliput Double 12 to 15 in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall. See colored illustration on front cover.

6060 **Canary Gem.** 6064 **Purple Gem.**
6061 **Delicate Flesh Gem.** 6065 **Salmon Rose Gem.**
6062 **Golden Gem.** 6066 **Scarlet Gem.**
6063 **Orange Gem.** 6067 **White Gem.**
Each of the above, pkt., 10c.
6075 **Liliput Mixed, all colors.** Oz., $1.00; ½ oz., 60c; pkt., 15c.

XERANTHEMUM

5849 **Double Mixed** □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.

Wild Cucumber

WILD CUCUMBER

5847 **Echinocystis Lobata** □ =. This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. May be sown on banks, where it will act as soil binder. ¼ lb., 75c; 1 oz., 25c; ½ oz., 15c; pkt., 10c.

Flower Seeds for Fall Sowing

FEW know many of our prettiest and best known annuals may be sown in the fall, in fact some varieties, like the annual Larkspur, are much better treated in this way. The principle is the one Nature uses. Seed dropped from parent plant will lie dormant in the soil until early in the spring when it germinates and begins a root system long before one can get in the ground to sow seed. Consequently the flowering season is prolonged by the earlier blooming. Ground should be prepared and seed sown just previous to the late heavy frosts.

The fall-sown plants, as a rule, are much sturdier and better established on the blossoming date than those started indoors.

Another advantage of fall sowing is that it relieves pressure in the springtime. Care should be taken not to sow too early, as the seed will germinate and die in the fall.

For list see our fall edition of Gardening Illustrated.

Zinnia Liliput Mixed

VIOLA CORNUTA (Tufted Pansies) □

Though the flowers are not as large as the regular pansies, they bloom so freely that many people consider them superior where a mass of color is desired. The plants bloom for a long period and the colors are particularly clear and distinct. The flowers are light and graceful, and not so stiff as those of the regular pansy.

5806 **Alba.** Large white flowers.
5807 **Admiration.** Violet-blue flowers.
5808 **Black Prince.** Rich velvety black.
5809 **Blue Perfection.** Pale blue flowers.
5810 **Lutea Splendens.** Bright yellow.
5811 **Papilio.** Flowers soft lavender-purple, lower petals flushed white.
5812 **Rose.** New, very pretty.
Each of the above, pkt., 10c.
5813 **Vaughan's Improved Scotch Pansies.** Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.
5814 **Cornuta Mixed.** Pkt., 10c. ⅛ oz., 35c.

WHITLAVIA

5845 **Gloxinioides Blue (California Canterbury Bells)** □ 1 ft. Flowers deep lavender-blue with white throat resembling small Gloxinias. A very attractive annual which, if better known, would be grown more freely. Pkt., 10c.

VISCARIA

5805 **Mixed** □ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. ¼ oz., 25c; pkt., 10c.

Viscaria Mixed

Seeds and Plants of Perennial Specialties

Note—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted on page 73 or else they will be sent express at buyer's expense.

For complete list of perennials, seeds and plants, see pages 73 to 85. Varieties marked × are suitable for Rock Garden.

Aquilegia Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.

AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-ft. stems. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation, best if sheltered but exposed to full sun.

7119 ×**Alpina.** Blue. 12 in. April-July. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Handsome scarlet and orange flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7130 **—Fl. Pl.** 3 ft. Double golden yellow flowers. **Seeds,** 15c per pkt.

7135 **—Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7145 **—Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. **Seeds,** 25c per pkt.

7151 **Dobbie's Imperial Hybrids.** A wonderful hybrid mixture. Contains every conceivable shade. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7153 **Farquhar Pink.** 2 ft. Beautiful pink flowers with lighter centers and creamy anthers. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00

7149 **Glandulosa Major.** Very large flower, deep blue and white. **Seeds,** 25c per pkt.

7150 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. The whole form a most harmonious mass of coloring seldom seen in other flowers. **Seeds,** 35c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7152 **Jaetschaui.** Large-flowered yellow with long, red spurs. **Seeds,** 25c per pkt.

7155 **Long-Spurred Columbines.** Mixed. **Seeds,** 15c per pkt.

7160 **Nivea Grandiflora.** 2 ft. or more. May-June. Large pure white. **Seeds,** 10c per pkt

7170 **Vulgaris Alba Plena.** 2 ft. May-June. Double white flowers. **Seeds,** 10c per pkt.

AQUILEGIA—Continued

7165 **Skinneri (Mexican Columbine).** 2 to 3 ft. June-August. Large scarlet and yellow flowers. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00

7175 **Single Mixed.** Many varieties **Seeds,** 10c per pkt

7180 **Double Mixed.** **Seeds,** 10c per pkt

7190 **Vaughan's Special Mixture** includes all the varieties mentioned and many new colors not found in any named collection. **Seeds,** 25c per pkt.

For other varieties, see novelty pages.

CAMPANULA

A large, beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being not difficult to cultivate. The habit of the plant, as a rule, is compact, ranging from 18 to 24 in. in height. They are most effective when planted in the mixed border near the early Phloxes. The Persicifolia varieties are good perennial plants. Pyramidalis is a tall-growing species sending up its stalks of bloom 5 to 6 ft. in height during August, continuing to bloom six weeks or more.

7260 ×**Carpatica (Harebell).** 9 in. July. Pretty blue dwarf. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7265 **—×Alba.** 9 in. July. Pure white. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Campanula Calycanthema (Cup and Saucer) Mixed

7270 **Medium Calycanthema (Cup and Saucer). Mixed colors.** 2 ft. June to August. **Seeds,** 10c per pkt.

7275 **—White.** **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00

7280 **—Pink.** **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00

7285 **—Blue.** **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00

7295 **Medium (Canterbury Bell). Single white.** 2 ft. June. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7300 **—Single Blue.** **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00

7301 **—Single Lilacina.** **Seeds,** 15c per pkt.

7305 **—Single Pink.** **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7310 **—Mixed Colors (Canterbury Bells).** **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00

7315 **—Double White.** 7320 **—Double Blue.**

7325 **—Double Pink.** 7330 **—Double Mixed.** Each of the above, per pkt., 10c.

7335 **Lactiflora Coerulea.** Broad-leaved. 2½-6 ft. Light blue. **Seeds,** 15c per pkt.

7337 **—Alba.** White. 2-3 ft. **Seeds,** 15c per pkt.

CAMPANULA—Continued

7338 **Latifolia Macrantha.** 3 ft. Erect stems, large bells, violet-blue. **Seeds,** 15c per pkt.

7340 **Persicifolia (Peach Bells). Blue.** 2-3 ft. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7345 **—Alba. White.** **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7346 **—Telham Beauty.** 4 ft. It produces on long stems very large globular open flowers, of a lovely china-blue with silvery shading. **Seeds,** 50c per pkt.

7350 **—Mixed.** Blue and White. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7351 **Persicifolia Coerulea Plena.** Double blue peach bells. Height, 30 in. **Seeds,** 35c per pkt.

7352 **—Alba Plena.** Double white. **Seeds,** 35c per pkt.

7334 ×**Fragilis.** Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. **Seeds,** 25c per pkt.

7355 **Pyramidalis (Chimney Bellflower).** Blue. 5-6 ft. **Seeds,** 10c per pkt.

7360 **—Alba.** **Seeds,** 15c per pkt.

7365 **—Mixed.** **Seeds,** 10c per pkt.

7361 ×**Turbinata.** 6 in. A beautiful variety forming close mats of foliage and bearing large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it. June-July. **Seeds,** 20c per pkt.

7362 **—×Alba.** Same as above with white flowers. **Seeds,** 15c per pkt.

7366 ×**Rotundifolia. (Blue Bells of Scotland)** 6-12 in. One of the prettiest species, slender branching stems, covered with dainty frail blue flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7367 **Trachelium. (Coventry Bells.)** 2-3 ft. Crowded heads of lavender-blue flowers. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7370 **Vaughan's Special Mixture.** A grand assortment of all varieties. Fine for cut flowers. **Seeds,** ⅛ oz., 50c; 25c per pkt.

CHRYSANTHEMUM (Hardy Daisy)

See illustration on next page.

Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well.

7500 **Maximum, Daisy Shasta Alaska.** 2-2½ ft. Wonderfully large white flowers on stout stems borne in great profusion all summer. Splendid for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

COREOPSIS (Tickseed)

7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. **Seeds,** ¼ oz., 25c; 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Coreopsis Lanceolata Grandiflora

Seeds and Plants of Perennial Specialties

Hardy Aster, see page 75

DELPHINIUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 ft.; for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers. Remove the flower before the seed pods form and they will flower later in season. The Butterfly Delphiniums are forms of Delphinium Chinese, height 2-3 ft. Though perfectly hardy perennials, they have the special merit of developing to full size the first year, when sown in frame in February or March. All three colors are large flowered.

7510 **Blue Butterfly.** Pure deepest blue. **Seeds,** 15c per pkt.

7515 **Lavender Butterfly.** Pure palest blue. **Seeds,** 15c per pkt.

7516 **White Butterfly.** Pure white with sulphury buds. **Seeds,** 15c per pkt.

7517 **Cardinale.** "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3½ ft. July-August. **Seeds,** 25c per pkt.

7520 **Chinese Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7525 **—Album.** 2-3 ft. Pure white. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7526 **—Tom Thumb Ultramarine.** A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. **Seeds,** 25c per pkt.

Daisy Shasta Alaska

DELPHINIUM—Continued

7521 **Chinese Azure Fairy.** Soft azure blue. Pkt., 20c.

7530 **—Mixed. Seeds,** 10c per pkt.

7535. **Elatum Hybridum, Single Mixed.** 3 ft. June-August. **Seeds,** 10c per pkt.

7540 **—Double Mixed.** 3 ft. **Seeds,** 15c per pkt.

7541 **Summer Cloud.** The flowers are pure white and come true from seed. **Seeds,** 50c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7545 **Formosum.** 3 ft. June-July. Deep blue, white eye, open spike. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7550 **Belladonna Improved Cliveden Beauty. (Light Blue).** 2 ft. June-July. Flowers exquisite shade of turquoise blue. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7551 **Bellamosum.** This is a dark form of the light blue Belladonna with intensely rich, deep blue flowers. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7555 **Indigo (True Blue).** 4 ft. Pure indigo-blue, comes true from seed. **Seeds,** 35c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7560 **Nudicaule.** 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. **Seeds,** 25c per pkt.

7561 **—Lemon Gem.** Clear yellow self. **Seeds,** 25c per pkt.

7563 **—Chamois. Seeds,** 35c per pkt.

7565 **Zalil.** 3 ft. June-July. Sulphur yellow. Seed germinates very slowly. **Seeds,** 25c per pkt.

7564 **Blackmore and Langdon Strain.** All the clear shades of blue with many delightful opaline variations, with bees of contrasting colors. **Seeds,** 50c per pkt. **Plants,** 3 for $1.25; doz., $4.00; 100, 25.00.

Delphinium Vaughan's Gold Medal Hybrids

7570 **Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. **Seeds,** 50c per pkt.; ⅛ oz., $1.00. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7569 **Wrexham Hollyhock-flowered Strain.** New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. **Seeds,** 50c per pkt. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

7571 **Vaughan's Special Mixture.** This contains the Elatum varieties, both double and single, the Butterfly Chinese and all the various kinds and will supply a wonderful array of bloom in the garden all summer long. **Seeds,** 35c per pkt.

DIGITALIS (Foxglove)

These produce spires of blossoms 3 to 5 ft. high. Stately old garden favorites for garden, shrubbery borders and naturalizing in suitable places.

7751 **Canariensis.** Canary yellow. Pkt., 25c.

7750 **Grandiflora.** 2 to 3 ft. June-July. Yellowish flowers marked with brown. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7730 **Gloxiniaeflora, White.** Flowers shaped and spotted like a gloxinia. 2-4 ft. June-July. **Seeds,** pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7735 **—Pink. Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7740 **—Purple. Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7736 **—Isabellina.** 5 ft. A very striking new variety, producing yellow flowers which gradually develop a chamois or buff shade. **Seeds,** pkt., 25c.

Digitalis Vaughan's Special Mixture

DIGITALIS—Continued

7745 **Gloxiniaeflora Mixed Colors. Seeds,** 10c per pkt.

7755 **Maculata Iveryana.** Splendid spotted. **Seeds,** 10c per pkt.

7760 **Monstrosa Mixed.** Long spikes surmounted by one enormous flower. **Seeds,** 10c per pkt.

7765 **Purpurea Mixed.** Many colors. **Seeds,** 10c per pkt.

7768 **The Shirley Hybrids.** 6 to 7 ft. The flowerheads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7769 **Hybrida Lutzii.** 4 ft. Salmon hybrids. **Seeds,** 20c per pkt.

7775 **Vaughan's Special Mixture of Digitalis.** A grand mixture of the above, and many other colors, grown especially for this mixture. **Seeds,** 15c per pkt.

GAILLARDIA (Blanket Flower)

June to October. 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

7810 **Grandiflora.** Mixed. Composite flowers, variegated with shades of red and yellow. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7815 **—Semi-plena.** Double row of petals, yellow with red center. **Seeds,** 10c per pkt.

7811 **—Dazzler.** Large golden yellow flowers with rich maroon center. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7820 **—Compacta.** Varied colored compact flowers well above foliage. **Seeds,** 10c per pkt.

7825 **—Kermesina Splendens.** Center crimson, canary-yellow border. **Seeds,** 10c per pkt.

Gaillardia Grandiflora Mixed

Seeds and Plants of Perennial Specialties

Physalis Franchetti (Chinese Lantern Plant)

GAILLARDIA Grandiflora—Continued

7826 —**Stand-Holder.** Large flowers, more or less yellow bordered, and with lighter or darker red wings around the center. The petals are broad but occasionally tubular with an inclination to doubleness. Blooms early on long stiff stems. Pkt., 25c.

7827 —**Maxima.** Very fine gold and yellow flowers. Pkt., 20c.

7828 —**Mastadonte.** Large flowered, pure yellow. Pkt., 20c.

7830 —**Sulphurea Oculata.** Pale yellow, maroon eye. Seeds, 10c per pkt.

7831 —**Tangerine.** Compact grower. Large soft orange colored flowers. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7835 —**New Hybrids.** Very large flowers, in a great variety of colors. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

HOLLYHOCK 6 to 8 ft.

One of the best hardy garden flowers. Makes a charming hedge or background. Aug.-Sept.

Double Varieties

7970	**White**	7995	**Crimson**
7992	**Yellow**	8000	**Blood-Red**
7990	**Salmon**	7975	**Maroon**
7980	**Rose**	7985	**Black**

8005 **Newport Pink.** The finest pure pink, exquisite shade. **Seeds,** 15c per pkt.

Each color except as noted. **Seeds,** 10c per pkt. **Plants,** of the **above colors,** 3 for $1.00; doz., $3.50; 100, $25.00.

8015 **Vaughan's Prize Double Mixture.** Finest shades in perfect flowers. **Seeds,** ¼ oz., 40c; 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8010 **Allegheny Mixed.** Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. **Seeds,** 10c per pkt.

Hollyhock Double Vaughan's Prize Mixture

HOLLYHOCK—Continued

Single Varieties

More permanent and hardy than the double and if planted with a deep green background, such as arborvitae hedge, they afford a most striking effect.

8045	**White**	8040	**Rose**
8051	**Yellow**	8020	**Red**
8050	**Salmon**	8030	**Black**
8025	**Pink**		

Each, **Seeds,** 10c per pkt.

8055 **Mixed. Seeds,** ¼ oz., 30c; 10c per pkt.

PHYSALIS FRANCHETTI

8345 **Chinese Lantern Plant.** 1½ ft. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns. **Seeds,** 10c. per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

PHYSOSTEGIA (False Dragon Head)

3-4 ft. Extremely beautiful with spikes of rosy pink, lilac or white flowers, which are tube-shaped similar to a tiny antirrhinum blossom. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage surrounding the graceful spikes. Flowers in August.

8350 **Virginica.** Dense bushes with spikes of delicate pink tubular flowers. June-September. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8355 **Alba.** White. June-Sept. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8356 —**Gigantea.** Lilac-rose. **Seeds,** 25c per pkt.

8357 —**Compacta Dwarf Rosea.** Rose. **Seeds,** 25c per pkt.

Physostegia

—**Grandiflora "Vivid."** 20 in. One of the best of the late-blooming perennials. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, much more vivid pink, and they last a long time when cut. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

PYRETHRUM ROSEUM (Painted Daisy)

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink. 1-2 ft.

8430 **Hybridum Double Mixed.** Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. **Seeds,** 25c per pkt.

8440 —**Grandiflorum, Single Mixed. Seeds,** 15c per pkt.

8441 —**Album.** White.

8442 —**Carneum.** Flesh.

8443 —**Roseum.** Rose.

8444 —**Atro-sanguineum.** Blood-red.

Each of the above, pkt., 25c

8436 —**James Kelway.** Rich velvety blood red. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8435 —**Single Mixed. Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8439 **Uliginosum.** 4 ft. Large giant daisy-like white flowers, in great profusion in fall. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50, 100, $15.00.

See also Novelties

Sweet William Vaughan's Special Mixture

SWEET WILLIAM (Dianthus Barbatus)

Sweet Williams look well in solid beds of masses and require a good, rich, well manured soil to grow them to perfection. Excellent border plants and fine for cut flowers. Plants grow 18 to 24 in. high.

7640 **Copper Red.** A new and rich color. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7645 **Diadematus.** One of the prettiest; flowers rose, spotted and sprinkled with white. **Seeds,** 10c per pkt.

7650 **Johnson's Giant.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7655 **Nigrescens.** Almost black. **Seeds,** 10c per pkt.

7660 **Pink Beauty (Newport Pink). Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7635 **Scarlet Beauty.** A charming and distinct color. **Seeds,** 15c per pkt.

7665 **Single Albus.** White. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7670 —**Atro-sanguineus.** Blood-red. **Seeds,** 10c per pkt.

7675 —**Roseus.** Pink. **Seeds,** 10c per pkt.

7685 **Single Giant-Flowered Mixed. Seeds,** 10c per pkt.

Double Varieties

7690	**White.**	7700	**Blood-Red.**
7695	**Rose.**	7703	**Nigrescens.**
		7705	**Mixed.**

Seeds, each of above, pkt. 10c

7710 **Double Giant-Flowered Mixed. Seeds,** 15c per pkt.

7715 **Vaughan's Special Mixture, Sweet William.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Pyrethrum Roseum Hybridum Grandiflorum

Vaughan's Perennial Flower Seeds and Plants

Note—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted or else they will be sent express at buyer's expense.

Plants Marked × Suitable for Rock Garden

Our experience is, the earlier in the season you sow perennial seeds, the more successful you will be as the seedlings will be a better size to winter over more successfully. Make a seed bed where the amount of light and water can be controlled. Sow seed at the latest, the end of July—May and June are better months. Transplant when large enough to rows in the garden and in the fall reset in permanent location where they are to flower the following year. The majority of these perennials bloom the second year from seed although some like Coreopsis and Gaillardia, if sown early, bloom the first year. Some perennials are very slow and uneven of germination. Seed may lie in ground a year. This particularly applies to Clematis, Phlox, Eremurus, Delphinium Zalil and others. Perennials should be placed in clumps of three or five plants and should be left undisturbed for several years.

ACHILLEA, The Pearl

ACANTHUS

7000 **Latifolius.** August. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7005 **Mollis.** Flower spikes 4 ft. high of white and rose flowers. **Seeds,** 10c per pkt.

ACHILLEA (Milfoil, Yarrow)

Achilleas are of easy culture and grow in any good garden soil, but preferring sun. They are useful for the border, wild garden or shrubbery; also for cutting.

7007 ×**Ageratum.** 1 to 2 ft. With Ageratum-like leaves. A pretty alpine of compact habit. Yellow, sweet-scented. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7008 **Parker's Variety.** 2½ to 3 ft. June-Sept. Clear yellow flower-heads. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7009 **Millefolium Kelwayi.** 2 ft. Carmine rose. **Seeds,** 50c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7011 **—Ruber.** 2 ft. Magenta red. **Seeds,** 25c per pkt.

7010 **Ptarmica, The Pearl.** 2 ft. June to August. Pure white, fine for cutting. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—Ptarmica, Boule de Niege (Ball of Snow). 2 ft. June-Sept. White. Fine cut flower variety. **Plants,** 3 for $1.00; doz. $3.50; 100, $25.00.

ACONITUM (Monkshood)

Bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere. Seed germinates very slowly. Do not plant near vegetable gardens. Roots are poisonous.

7015 **Fischeri.** 2 ft. September. Dwarf variety with pale blue flowers. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

—Spark's Variety. 2½-3 ft. July-August. Darkest blue of all. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7020 **Napellus.** 2½ ft. July-August. Fine rich blue flowers. **Seeds,** 10c per pkt.

7025 **Wilsonii.** 4-6 ft. September. Clear blue hooded flowers. Excellent for cutting. **Seeds,** 15c per pkt.

ACTAEA (Baneberry)

They are of slender graceful habit with elder-like foliage and produce their flowers in elegant racemes. The flowers are succeeded by berries which are poisonous. Very suitable plants for shady place or wild garden.

—Rubra. 1½ ft. May-June. Flowers white; berries bright red. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Order Plants

by **name** and on the **separate order sheet** provided for them. Give quantities desired in plain figures and write only one kind on each line.

Prices of Plants

The time involved in assembling long lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three-of-a-kind so attractive that it should induce our customers to buy at least three-of-a-kind.

Relative Prices Are as follows:

Plants priced at	per dozen	3 supplied for	Each
$2.00		$0.65	$0.25
2.50		.85	.35
3.50		1.00	.45
4.00		1.25	.50
4.50		1.35	.55
5.00		1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants **5c**; 3 plants, **10c**; 6 plants, **15c**; 12 plants, **25c**. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

Order for Seeds

The numbers in left-hand column indicate varieties of which we offer seed. The number is a sufficient designation and more acceptable to us than the name when ordering seeds. Where no number appears, we offer plants only. In some cases we offer both seeds and plants.

ADLUMIA (Alleghany Vine)

7030 **Cirrhosa.** 15 ft. The feathery foliage is like the Maiden-hair Fern. Delicate rose pink and white flowers cover the plant. **Seeds,** 10c per pkt.

ADONIS

7035 **Vernalis.** 18 in. Large bright yellow flowers with elegant foliage. Blooms in April-May. **Seeds,** 10c per pkt.

ACONITUM (Monkshood)

ANCHUSA Dropmore

AGATHEA

7040 **Coelestis (Blue Daisy).** Flowers sky-blue with yellow disk, easy growth. Useful in the border, for bedding and as a pot plant. **Seeds,** 10c per pkt.

AGROSTEMMA

7045 × **Coronaria Varieties Mixed.** 1 to 2 ft. Attractive free flowering, producing bright-colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. June-September. **Seeds,** 10c per pkt.

7048 × **Coronaria Atrosanguinea.** Blood-red. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7049 **Hybrida Walkeri.** Brilliant rosy-crimson flowers. June to Aug. **Seeds,** 10c per pkt.

7050 **Flos Jovis.** 1 ft. Rosy purple flowers in summer. **Seeds,** 10c per pkt.

AJUGA (Bugleweed)

A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow.

×**Reptans.** 3 to 4 in. May-June. Brilliant bronzy-purple foliage and blue flowers. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

ALSTROEMERIA

Belongs to Amaryllis order. Narrow lance-shaped leaves and richly colored flowers borne in terminal umbels on long wiry stems. Flowers last a week or ten days in water.

7052 **Aurantiaca.** Flowers orange color streaked with red. Quite hardy. Pkt., 25c.

7053 **Pulchra.** Known as St. Martin's Flower. Flowers purplish on outside, edges sulphur-white, with fine yellow upper segments dotted with deep red spots. They require some protection during winter. Pkt., 25c.

AMPELOPSIS

7060 **Veitchii (Boston Ivy).** Small leaved, self-clinging, hardy vine. **Seeds,** 10c per pkt.; 50c per oz. **For Plants see Hardy Vines, page 98.**

ARENARIA

These are extremely pretty little alpine plants and will thrive in any ordinary soil in exposed places.

7214 ×**Montana.** 4 inches. Grows in close tufts, profusely covered with small silvery white flowers which appear quite early in the season. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Vaughan's Perennial Flower Seeds and Plants

ANEMONE Japonica

ALYSSUM (Madwort)

Showy free flowering spring-blooming plants. Valuable for front row in border or rock garden.

7054 ×**Argenteum.** 1 ft. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. **Seeds,** 10c per pkt.

7055 ×**Saxatile Compactum (Basket of Gold).** 9 in. May-June. Producing masses of golden flowers very early. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7056 ×**Saxatile Compactum Sulphureum.** Pale lemon-colored flowers. **Seeds,** 15c per pkt.

ANCHUSA

Stately and handsome perennials belonging to Forget-me-not family. The leaves are rough and hairy and the drooping flowers are borne in racemes on branching stems.

7070 **Italica, Dropmore Variety.** 5 ft. June-July. Beautiful gentian-blue flowers, one of the best perennials. Thrives best in partial shade. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50.

7072 **—Opal.** 3-5 ft. June-July. A splendid lustrous light blue. **Seeds,** 15c per pkt.

×**Myosotidiflora.** 1 ft. A Russian species, bears in April a profusion of pretty pale blue Forget-me-not flowers. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

ANEMONE (Wind Flower)

A genus which furnished a number of very showy species of hardy perennials for border decoration, also attractive flowers for cutting. Some commence to flower very early in the year, and others contribute largely to the gaiety of the garden in autumn.

7075 ×**Coronaria (Poppy Anemone). Mixed colors.** Early spring-June. 6-12 in. **Seeds,** 10c per pkt.

7080 ×**Coronaria St. Brigid's Strain.** May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. **Seeds,** 20c per pkt.

7079 **Coronaria Double Chrysanthemum Flowered. Seeds,** 20c per pkt.

×**Japonica Alba.** Pure white, showing yellow anthers. 2 to 3 ft. Sept.-Oct. **Plants,** 3 for $1.00; doz., $3.50.

7082 **Hupehensis.** Chinese Variety. Mauve flowers with carmine base. Pkt., 25c.

×**Japonica Queen Charlotte.** A strong grower, producing large semi-double pink flowers. 2 to 3 ft. Sept.-Oct. **Plants,** 3 for $1.00; doz., $3.50.

×**Japonica Whirlwind.** Semi-double white. 2 to 3 ft. Sept.-Oct. **Plants,** 3 for $1.00; doz., $3.50.

7089 **Pennsylvanica.** 1-2 ft. May-July. White flowers, cup-shaped, 1-2 inches across on strong stems. Leaves much divided. Erect plant. **Seeds,** 25c per pkt.

7090 ×**Pulsatilla (Pasque Flower).** 1 ft. April-May. Well adapted for rockwork or border, flowers varying from lilac to purple. **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50.

7095 ×**Pulsatilla Rubra.** 6 to 9 in. April-May. Dark red, erect flowers. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50.

7100 ×**Sylvestris. (Snowdrop Windflower.)** 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50.

Anemone Collection No. 74

One plant each 4 varieties our selection for $1.35.

ANTHEMIS (Marguerite)

Free-flowering perennials with elegantly cut foliage and large Daisy-like flowers. Succeeds in the poor soil but needs full sun.

7110 **Kelwayi.** 2 ft. Daisy-like lemon-yellow blossoms, produced all summer. Excellent for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7111 **—Alba.** Hardy white Marguerite. 3 ft. **Seeds,** 15c per pkt.

7113 **Montana.** 9 in. Silvery tufted foliage with white flowers. April to July. Pkt., 15c.

7115 **Tinctoria.** 2-3 ft. Bright yellow shading to white. June-Oct. **Seeds,** 10c per pkt.

AQUILEGIA—See colored section.

ARTEMISIA

—Lactiflora. 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearanec of a highly ornamental flowering shrub. Graceful for table decoration. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—Silver King, 3 ft. Is comparatively new in gardens. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants. The flowers are insignificant, but it makes up for this lack by its slender ghost-like appearance. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

ANTHEMIS Tinctoria

ASTER (Michaelmas Daisy)

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. See illustration on colored pages.

×**Alpinus.** 3 to 10 in. high. Bears large showy bluish purple flowers with yellow centers in May and June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**—Alba.** A white variety of the above. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7226 ×**— Goliath.** 6 to 10 inches high and bears large showy, bluish-purple flowers with yellow center in May and June. **Seeds,** 20c per pkt.

7227 ×**— Nixe.** Light blue, star-shaped, 12 in. **Seeds,** 15c per pkt.

7227A **—Mixed.** 15 in. Shades of blue and white. **Seeds,** 25c per pkt.

7224 **Amellus Hybridus.** 2½ ft. New named varieties finest mixed. **Seeds,** 25c per pkt.

7228 ×**Subcoeruleus.** 15 inches. Forms a dense tuft of leaves from which issue many leafless stems 12 inches high, bearing in June and July massive bluish-violet flowers 3 inches in diameter. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7225 **Perennial, Large-Flowering Mixed.** Various shades of blue. **Seeds,** 25c per pkt.

The Novi Belgii Type, better known as the Michaelmas Daisies.

—Abendrothe. 3 to 5 ft. Beautiful deep rose. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ASTER Climax

ASTER—Continued

—Climax. 5 ft. One of the best and showiest, with pyramidal spikes of large, light lavender-blue flowers, with gold centers, very free blooming. Oct.-Nov. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—Climax White. 5 ft. October-November. Pure white. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—Elta. 3 ft. The clear lavender flowers are borne in clusters on dark green glossy stems. Semi-double. Does not wilt after cutting. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—Queen Mary. 4 ft. Flowers are dark sky-blue and frilled. Plant is of the climax type, but with more lateral branches. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ARMERIA (Thrift Sea Pink)

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7205 ×**Alpina.** Deep rose flowers in July. **Seeds,** 10c per pkt.

7210 ×**Formosa.** 9 in. Pretty rose-pink. **Seeds,** 10c per pkt.

7211 ×**Formosa Hybrida.** 24 in. Shades of pink. Blooms early summer. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7218 ×**Laucheana.** 6 in. June-Aug. Crimson flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7219 ×**Maritima.** 3 to 6 in. May-June. Silvery pink flowers. **Seeds,** 15c per pkt.

7217 **Ruby.** 1½ ft. Rich deep rose-colored flower heads. 15c per pkt.

ARTEMISIA Lactiflora

Vaughan's Perennial Flower Seeds and Plants

ARABIS (Rock Cress)

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings. They do well in any soil, but need plenty of sun.

7195 ×**Alpina.** 6 in. Early in the spring the pure white flowers make a pleasing contrast in beds and borders with the golden Alyssum and the blue Aubrietia. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Alpina fl. pl.** is a double white species, bearing large Stock-like flowers in long racemes, which are most useful for cutting. Blooms from April to Sept. **Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.

7196 ×**Alpina Compacta.** Compact growing type. **Seeds,** 15c per pkt.

ARISTOLOCHIA

7200 **Sipho (Dutchman's Pipe).** 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers shape of a Dutchman's pipe, hence its name. Rich soil is the best. Requires protection in winter. **Seeds,** pkt. (10 seeds) for 20c. For **Roots,** see Hardy Vine page 98.

ASCLEPIAS (Butterfly Weed)

7220 **Tuberosa.** 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers, with purplish stems and hairy leaves. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ASPARAGUS

7221 **Verticillatus (Hardy Asparagus Vine).** 10 to 15 ft. Blooms freely and has abundance of red berries late in summer. Fine to cut and use in bouquets. Perfectly hardy, requiring no protection. Vines die down to ground each year. **Seeds,** 15c per pkt.

ASPERULA

Pretty white flowered perennials with square stems, whorled leaves and four-lobed flowers, do best in shade

7222A **Hexaphylla.** 3 ft. White flowers in a delicate misty spray and may be used with sweet peas and other cut flowers to lighten the effect. **Seeds,** 15c per pkt.

7222 ×**Odorata Woodruff or Waldmeister.** 6 to 8 in. An herb whose leaves are fragrant and are used in making beverages or when dried used to lay among linens. **Seeds,** 10c per pkt.

ASPHODELINE (Asphodelus)

7223 **Lutea.** 2 to 4 ft. Ornamental tufts of glaucous blue foliage, terminal spikes of attractive golden yellow flowers, unique for naturalizing. June-July. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Watertown, S. D., August 10, 1929

About a year ago I sent to you for a package of Delphinium seeds. This season I have had beautiful blossoms. Many flower lovers have come to look at them. I have surely been more than pleased. MRS. E. H. E.

ARABIS (Rock Cress)

AUBRIETIA

One of the daintiest and most delicately beautiful of all dwarf, creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Massed on rockeries or in borders with white Arabis and yellow Alyssum, it forms a charming contrast. A gem for planting in crevices of rocks or wall, forming a cataract of color.

7231 ×**Bougainvillei.** Flowers are dark blue. **Seeds,** 25c per pkt.

7232 ×**Graeca.** Light blue, dwarf floriferous. **Seeds,** 25c per pkt.

7233 ×**Leichtlinii.** Large-flowered, deep rosy purple. **Seeds,** 25c per pkt.

7230 ×**Large-Flowered Hybrids, Mixed.** 6 inches. April and May. A wonderfully fine strain, producing a good range of colors. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

BAPTISIA

7235 **Australis (False Indigo).** Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves, cut very deeply to form three oval leaflets, and bears its Lupin-like blue flowers in dainty branching spikes in June and July. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

BOCCONIA (Plume Puppy)

BOCCONIA

7240 **Cordata (Plume Poppy).** 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

BELLIS PERENNIS FL. PL.

English Daisy.

A low-growing spring-flowering semi-hardy perennial. Loves a shady place and will bloom for years if protected over the winters. **For Seeds, see page 46 in Color Section.**

×**Best Mixed.** **Plants,** 3 for 65c; doz., $2.00; 100, $10.00.

BIGNONIA

7237 **Radicans (Trumpet Vine).** A robust tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. **Seeds,** 15c per pkt. See Hardy climbing vine page for plants.

BOLTONIA (False Chamomile)

Bloom at the same time and resemble some of the wild Asters. The leaves are long and grayish and in these characteristics are roughly distinguished from the perennial Asters.

Because of their great height they are highly desirable in large perennial borders as the plants literally bear thousands of star-like flowers. They serve excellently as cut-flowers.

7245 **Asteroides.** July-Oct. 4-6 ft. White. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7250 **Latisquama.** 4-5 ft. July-Oct. Delicate pink. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Latisquama Nana.** Dwarf form. 2 ft. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

BUDDLEIA (Butterfly Bush)

BUDDLEIA (Butterfly Bush or Summer Lilac)

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter. The top usually freezes back, and new growth starts from the root like other perennials.

7251 **Variabilis Veitchiana.** 3-8 ft. July-Sept. Mauve. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. Plant in Spring.

BUPHTHALMIUM

Showy, hardy, herbaceous, perennials belonging to the lavender order, with Thyme-like flowers, useful for cutting, also for mixed border.

7254 **Cordifolium (Speciosum).** 3 ft. Heart-shaped, coarsely toothed leaves, very large orange yellow flowers with brownish center. Flowers in July. **Seeds,** 15c per pkt.

7255 **Salicifolium.** 1 to 2 ft. Bears large yellow solitary flowers in June. **Seeds,** 10c per pkt.

CALAMINTHA

7257 ×**Alpina.** 6 in. A very graceful little rock plant, spreading tufts of pretty foliage, spangled with lavender blue flowers. **Seeds,** 35c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

CALLIRHOE

7256 ×**Involucrata (Poppy Mallow).** A showy, trailing, hardy perennial bearing continuously from early summer till fall; large, bright crimson saucer-shaped flowers; looks best on the rockery, but can be used in front of the hardy border. **Seeds,** 15c per pkt.

CAMPANULA—See Color Section.

CANDYTUFT—See Iberis.

CANTERBURY BELLS—See Campanula Medium in Color Section.

CARNATION

GRENADIN

1 ft. A valuable bedding variety with double flowers blooming first year from seed if sown early.

7385 **Triumph, Rose.** **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7390 **Dark Velvety Brown.** **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7395 **Scarlet.** **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7400 **White.** **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7401 **Mixed.** **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7402 ×**Dwarf Red.** This is dwarfer than the one offered above and is more suitable for rock work and edging and pot culture. **Seeds,** 25c per pkt.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent Flowering period is at least 14 days earlier than any other Carnations of that class.

7405 ×**White.** **Seeds,** 15c per pkt.

7410 ×**Rose.** **Seeds,** 15c per pkt.

7415 ×**Mixed.** **Seeds,** 10c per pkt.

7420 ×**Double Mixed, Extra Choice.** **Seeds,** 15c per pkt.

Vaughan's Perennial Flower Seeds and Plants

CHEIRANTHUS (Siberian Wallflower)

CHEIRANTHUS (Siberian Wallflower)

7440 ×**Allioni.** 1 ft. A beautiful rock plant. Dazzling fiery orange flowers, on stems about a foot high. Best used as a biennial as it frequently blooms itself to death. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

For other varieties see Page 49.

CASSIA (American Senna)

7376 **Marylandica.** 3 to 4 ft. July-August. A bushy growing plant with large panicles of bright yellow, curiously shaped flowers in abundant auxillary clusters. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

CATANANCHE (Cupid's Dart)

Has hoary, lance-shaped leaves, and crisp chaff-like flowers resembling those of the everlastings. Belongs to the Daisy order and is an attractive plant when in flower. Flowers are useful for cutting.

7377 **Coerulea.** Pretty deep blue flower. 2 ft. Blooms in June to Sept. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100 $15.00.

7378 **Coerulea fl. Albo.** Pure white flowers. **Seeds,** 10c per pkt.

CENTAUREA (Hardheads, Knapweed)

The flower heads are like showy, ragged thistle blooms. They grow 2 to 3½ ft. tall and bloom during summer months.

7379 **Dealbata.** 2 ft.. Large and striking rose-pink flowers, feathery foliage. **Seeds,** 15c per pkt.

7425 **Macrocephala.** The showiest of all, great thistle-like golden yellow flowers on stiff stems. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7430 **Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual cornflower. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7431 **Montana Alba.** White. **Seeds,** 10c per pkt.

CENTRANTHUS—See Valeriana.

CEPHALARIA

7433 **Alpina (Giant Scabiosa).** 5 ft, June and July. Belongs to Teasel order. Flowers yellow on terminal heads somewhat like a Scabiosa. Good for shrubby borders. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

CERASTIUM

7435 ×**Tomentosum (Snow in Summer).** 4 in. A low, creeping plant with the upper surface of the leaves light in color and woolly; it bears a profusion of pretty white flowers. Blooms early. **Seeds,** 15c per pkt., **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

CHINESE LANTERN PLANT—See Color Section.

CHIVES—See Page 20.

CHRYSANTHEMUM (Hardy Daisy)

Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well.

×**Arcticum (Arctic Daisy).** 2 ft. A very hardy fall flowering perennlal forming an attractive clump of glossy green foliage covered with a mass of white flowers, slightly suffused rose or lilac. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7450 **Indicum Fl. Pl. Early-Flowering Double Chinese Varieties.** A mixture with some especially fine colors. Pkt., 35c.

7451 **Indicum Early-Flowering Single Chinese.** Attractive flowers in many charming shades. Pkt., 25c.

7455 **Laciniatum, White Comet Fringed.** White petals. **Seeds,** 15c per pkt.

—**Leucanthemum Flore Pleno (Double White Shasta Daisy).** Flowers double pure white of medium size, excellent for cutting. 1-2 ft. June-July. Each plant produces from 30 to 50 flowers. Perfectly hardy without any protection. **Plants,** 3 for $1 00; doz., $3.50; 100, $25.00.

7460 **Maximum King Edward VII.** 2½ ft. Very large white flowers on stout stems. Blooms all summer. **Seeds,** 10c per pkt. **Plants,** 3 for 85e; doz., $2.50; 100, $15.00.

7465 **Market Favorite.** Produces an enormous number of well-formed, pure white flowers, evenly distributed and flowering at one time. **Seeds,** 15c per pkt.

7470 **Mrs. C. Lothian Bell.** Large white daisy-like flowers. **Seeds,** 15c per pkt.

—**Uliginosum.** 4 ft. Large giant daisy-like white flowers, in great profussion in fall. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

For Shasta Daisy Alaska, see Color Section.

CIMICIFUGA (Snake Root)

—**Racemosa.** 4 to 8 ft. Tall, late-blooming. July to Aug. The large leaves are cut very deeply and the flowers, white, small, feathery and closely set, are borne on long stalks. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

CLEMATIS

7474 **Jackmanii.** Strong, healthy growth, hardy, rich deep velvety-purple flowers. Seeds germinate very slowly—may take a year. **Seeds,** 25c per pkt. For plants see Climbing Vines, page 98.

7473 **Paniculata (Small-Flowering).** The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in Sept. when few other vines are in bloom. Seed germinates very slowly. **Seeds,** 10c per pkt. For plants see Climbing Vines, page 98.

7475 **Recta.** 2 to 3 ft. June-July. Produces fragrant, pure white flowers in very large, showy clusters. **Seeds,** 15c per pkt. **Plants,** 3 for $1.40; doz., $4.00.

DICENTRA (Bleeding Heart)

DICTAMNUS Fraxinella (Gas Plant)

COMMELINA

7480 **Coelestis.** 10 to 18 inches. Branching habit, long pointed leaves, navy-blue flowers in clusters, tuberous rooted. **Seeds,** 25c per pkt.

COREOPSIS (Tickseed) — See Color Section and perennial novelty pages.

CONVOLVULUS

7482 ×**Mauritanicus** Blue with white throat; very fine plant for hanging baskets or rock garden. Pkt., 15c.

CRUCIANELLA

7499 ×**Stylosa.** 18 in. July. Tangled masses of elegant foliage, crowded heads of light red flowers. **Seeds,** 15c per pkt.

CYPRIPEDIUM (Hardy Orchids)

Hardy Orchids for the most part are shade-loving plants and delight in a soil well drained and largely composed of leaf mold.

—**Acaule (Red Lady Slipper).** The plant sends up two broadish green leaves from the base and from between them comes a stalk about a foot high bearing a single large, rose purple flower. May-June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Spectabile (Showy Lady Slipper).** The finest and most showy of all Orchids. It grows about 2 ft. high, bearing along the stalk several rather large roundish leaves and on top one or two quite large, rose-purple or nearly white flowers. June. **Plants,** 3 for $1.00; doz. $3.50; 100, $25.00.

DELPHINIUM—See Color Section.

DICENTRA (Dielytra)

(Bleeding Heart or Seal Flower)

—**Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. Each, 55c; doz., $5.00.

×**Exima.** Plumy Bleeding Heart. Dwarf, 12 inches. Racemes of pendant pink flowers borne above fine cut feathery foliage. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

DIANTHUS Allwoodii

7575 **Mixed.** It makes an ideal pot plant. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy, commencing to flower in early spring and continuing through summer and fall. **Seeds,** pkt. (25 seeds), 50c.

Plants of named sorts of the above listed below.

—**Harold.** A splendid large double pure white.

—**Jean.** Pure white, a deep violet-crimson center.

—**Mary.** Pale rose-pink with light maroon center.

—**Robert.** A delicate shade of old rose with light maroon center.

Price of any of the above four sorts: **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7587 **Best Rock Garden Varieties, Mixed.** Rock gardens now so popular need these low growing dianthus to brighten spots and fill in crevices with their attractive flowers. Pkt., 25c.

Vaughan's Perennial Flower Seeds and Plants

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early-blooming and free-flowering Hardy Garden Pinks are unequaled for rock gardens; for the old-fashioned garden and for the borders of beds and drives. They should be planted where they receive full sunlight and in good soil.

×**Abbotsford.** A beautiful, brilliant deep carmine, splotched with white. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7580 ×**Caesius (Cliff Pink).** 1 ft. Flowers delicate rose pink, fragrant. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7670 ×**Atro-coccineous (Everblooming Sweet William) Cruentus.** Beautiful outdoor pink of intense crimson color; semi to full double flowers, borne on stout stems 15 to 18 inches high. Blooms continuously all summer and is useful for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7582 ×**Deltoides (Maiden Pink).** 8 in. Delicate pink blossom carried above fine, feathery foliage. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7581 ×**Dentosus Hybridus (Amoor Pink).** A red Siberian variety flowering in July. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7583 ×**Graniticus.** 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7586 ×**Neglectus (Glacier Pink).** Flowers cherry-carmine. 6 in. May-July. A wonderful rock plant. **Seeds,** per pkt., 50 seeds, 25c. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

—**Plumarius** are the old-fashioned, fragrant Garden Pinks. Fine for perennial border or rockwork.

7591 ×**Albus Plenus.** Double white. **Seeds,** 25c per pkt.

7590 ×**Cyclops (Clove Pink).** An exquisite mixture of colors; fragrant. 1 ft. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7595 ×**Cyclops, Red Hybrids.** **Seeds,** 15c per pkt

7597 ×**Cyclops Double Mixed.** **Seeds,** 25c per pkt.

7600 ×**Diadematus.** 12 in. White, pink and crimson. **Seeds,** 10c per pkt.

7611 ×**Mrs. Sinkins.** Large double white. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7596 ×**Peacock.** Fringed white flowers with rings. **Seeds,** 15c per pkt.

7605 ×**Nanus Fl. Pl.** Double dwarf mixed. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7610 ×**Semperflorens.** 15 in. Single and double, flowers all spring and summer. Mixed colors. **Seeds,** 15c per pkt.

7615 ×**Single Mixed.** Delicately fringed flowers. **Seeds,** 10c per pkt.

7620 ×**Double Mixed.** Fine for cutting. **Seeds,** 10c per pkt.

7625 ×**Vaughan's Special Mixture.** A grand selection of clove pinks of the above Plumarius type and others. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

DIANTHUS Plumarius (Clove Pink)

DICTAMNUS (Gas Plant)

The glossy, leathery leaves are dark green and retain their deep color until late in Fall. The flowers are borne on spikes 2 to 3 feet high. Both the foliage and flowers are fragrant and when the parts are crushed in the hand, they have the fragrance of a lemon. The whole plant gives off a strong, volatile oil which will give a flash of light if a lighted match is held under the cluster of seed capsules on a sultry Summer evening. The seed of these is very slow to germinate and plants when once established, should be let alone.

7720 **Fraxinella.** 3 ft. June-July. Large spikes of deep pink, purple-veined flowers. **Seeds,** 15c per pkt. **Plants,** each, 75c.

7725 —**Albus.** 3 ft. June-July. Spikes of attractive pure white sweet-scented flowers. **Seeds,** 15c per pkt.

DIGITALIS (Foxglove)—See Color Section.

DODECATHEON (American Cowslip)

(Shooting Star)

Very pretty dwarf Primulaceous plant, ovate or oblong leaves with drooping Cyclamen-like flowers borne in umbels. They require a moist, cool and shady position.

—**Meadia.** 1 ft. April-June. Flowers lilac. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

ERIGERON Elatior

DORONICUM (Leopard's Bane)

7777 **Caucasicum.** 1½ ft. Belongs to daisy order. A showy border plant with large heads of yellow flowers. **Seeds,** 50c per pkt.

ECHINACEA (Coneflower)

Stout perennials for the border or wild garden. Flowers in July-Aug., and the blooms make good cut flowers.

7780 **Hybrida.** 4 ft. Flowers of various shapes, produced in a wide range of colors. **Seeds,** 15c per pkt.

7785 **Purpurea (Purple Coneflower).** 3-4 ft. A very handsome border plant bearing large heads of rosy purple flowers and dark central disc. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7786 **Purpurea Grandiflora.** **Seeds,** 15c per pkt.

ECHINOPS (Globe Thistle)

All the Globe Thistles are distinctive plants and are well adapted to plant in borders, among shrubbery or to use as bold specimen plants. The flower heads are round like a ball and are entirely covered with needle-like thistles. Are excellent for cutting, can be dried and will remain attractive for months. The leaves are large, deeply cut and very prickly.

7788 **Ritro.** 3-4 ft. Steel-blue flower heads. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7790 **Sphaerocephalus.** 4 ft. Grayish white flowers on stout stems. **Seeds,** 10c per pkt.

EDELWEISS

7791 ×**Leontopodium Alpinum.** 4-12 in. June-July. The flowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any soil with full exposure to sun. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

ECHINACEA (Rudbeckia)

EREMURUS

May-June. When established they throw up magnificent flower spikes from 6 to 10 feet high, each carrying some hundreds of flowers, arranged symmetrically around the stem; they should not be disturbed, but planted for permanent effect. Sow seed in slight heat in spring. Germination takes about 60 weeks. Seedlings being afterwards grown on in pots in a frame for a year before planting out. Protect in winter and guard against spring frost. Like a sunny situation.

7808 **Himalaicus.** 6 ft. Snow-white flowers in dense spikes. **Seeds,** 25c per pkt.

7809 **Robustus.** 8 to 10 ft. Tapering spikes of peach-pink flowers. **Seeds,** 25c per pkt.

ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

7796 **Speciosus Hyb. Grandiflorus.** Large flowers rich purple. 24 in. June. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7797 **Elatior.** Rosy, 24 in. May-June. **Seeds,** 20c per pkt.

ERINUS

7798 ×**Alpinus.** Pretty rosettes of foliage and racemes of rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls or between steps. 4 in. May-June. **Seeds,** 35c per pkt.

7798A ×**Alpinus Mixed.** **Seeds,** pkt., 25c.

ERYNGIUM (Sea Holly)

Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept. The leaves are prickly, flower heads are surrounded by spreading prickly floral bracts and the flower head itself is a small Teazel. The branches can be dried and the flowers used in winter bouquets.

7792 **Alpinum.** 2-3 ft. Shining green leaves, large light blue flowers. **Seeds,** 10 per pkt.

7793 **Amethystinum.** 1½-3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst-blue thistle-like flowers. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz. $2.50; 100, $15.00.

7795 **Planum.** 2-3 ft. Small steel-blue globular flowers; graceful decorative plant. **Seeds,** 10c per pkt.

ERYSIMUM

7794 ×**Pulchellum (Fairy Wallflower).** A new dwarf species, forming close mats of dark green, later eclipsed with yellow bloom. Sandy soil. **Seeds,** 15c per pkt.

EUPHORBIA

7806 ×**Polychroma.** 1 ft. April-May. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze. Grows into fine compact bush. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Vaughan's Perennial Flower Seeds and Plants

EUPATORIUM Ageratoides

EUPATORIUM (Thorough Wort)

Strong growing border plants, suitable for cutting; they bear minute flowers in dense heads; ordinary garden soil suits them.

7800 **Ageratoides (White Snakeroot).** 2 ft. Pure white ageratum-like flowers; does well in shade. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7805 **Purpureum (Joe Pye Weed).** 6-7 ft. July-Sept. Pink flower, purple stalked. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7804 **Coelestinum (Mist Flower).** 2 ft. Sept.-Oct. Light blue. **Seeds,** pkt., 25c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

FILIPENDULA HEXAPETALA

(Spiraea Filipendula)

Good for front row in hardy border. Graceful plants, both in flower and foliage.

—**Flore-Pleno (Dropwort).** June-July. Double white. 1-2 ft. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

FUNKIA (Day Lily). See Hosta on page 80.

GAILLARDIA (Blanket Flower)—See page 71.

GALEGA Hartlandi

FERNS

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage. (Ready March 15.)

—**Adiantum Pedatum (Maidenhair Fern).** 1 ft. The best dwarf fern.

—**Asplenium Filix-Foemina (Lady Fern).** 2 to 3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

—**Aspidium Spinulosum (Spinulose Wood Fern).** 1½ to 2 ft. A strong grower and should be included in every Fern collection.

—**Onoclea Struthiopteris (Ostrich Fern).** 3 to 4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

—**Osmunda Claytoniana.** 2-3 ft. A good fern for the shady corner. Fronds 7 to 12 in. wide. **Price,** any of the above Ferns: **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

FORGET-ME-NOT—See Myosotis in perennial and annual sections.

GYPSOPHILA—Paniculata Flore Pleno

GALEGA (Goat's Rue)

Herbaceous perennials belonging to the Pea order. They have pretty, pinnate foliage, and Pea-shaped flowers borne in racemes. The latter are of great value for cutting purposes.

7839 **Hartlandi.** 4½ ft. June-Aug. Long racemes of beautiful lilac, pea-shaped blossoms. **Seeds,** pkt., 25c.

GENTIANA (Gentian)

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam. Rather difficult to establish; do not disturb after once started. Seed slow to germinate and do not use lime in soil.

—**Andrewsii.** One of the most fascinating native plants. The flowers which are tightly closed are borne at the top of a stem from 6 to 8 in. long and are an intense deep blue. Blooms best in moist place. June-October. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7840 ×**Acaulis.** 4 in. Large bell-shaped deep blue flowers; spring blooming. **Seeds,** 20c per pkt.

7845 **Lutea (Yellow Gentian).** 4 ft. July to September. Whorls of giant yellow flowers. **Seeds,** 10c per pkt.

GLOBULARIA (Globe Daisy)

Shrubby plants for the hardy garden or rockery, producing fluffy balls of blue flowers during the summer. They all require light soil in a warm, sunny position.

7857 ×**Trichosantha.** Dark blue. 12 in. **Seeds,** 20c per pkt.

HEUCHERA Sanguinea

GEUM

Geums belong to the Rose family. The species described are showy, free-flowering kinds producing a wealth of attractive flowers which are much prized for cutting. They are of a tufted habit of growth with pinnate leaves. Excellent for border culture. To avoid wilting after cutting put stems in warm water.

7851 ×**Boresii.** Producing an abundance of neat branching stems, covered with large well-formed flowers, brilliant shade of scarlet. June till late autumn. Pkt., 35c. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7850 **Coccineum Atrosanguineum Plenum.** 1½ ft. May-July. Flowers are double, bright scarlet. **Seeds,** 15c per pkt.

7852 **Lady Stratheden (Golden Ball).** Flowers loosely double; a delightful shade of golden yellow. Cut blooms of this with sprays of Euphorbia Polychroma make a charming cut-flower combination. **Seeds,** 35c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7855 ×**Mrs. Bradshaw.** The double orange-scarlet flowers are very large and full. 2 ft. June-Sept. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

GRASSES

The ornamental grasses can be used with telling effect either as individual specimens in the border or on the lawn. Large beds or borders planted entirely to the different varieties are attractive or when planted in clumps on the margin of ponds.

7858A **Erianthus Ravennae.** 5 to 7 ft. Plume Grass. Producing from 30 to 50 flower-spikes. Closely resembles the Pampas Grass. **Seeds,** 15c per pkt.

—**Eulalia Gracillima Univittata.** 5 to 6 ft. The most graceful of all. Foliage narrow, bright green, with a silvery midrib. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Eulalia Japonica Variegata.** 4 to 6 ft. A tall graceful variety. Its long, narrow leaf-blades are striped green-white and often pink and yellow. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Festuca Glauca.** 1 ft. A pretty dwarf grass with tufts of fine bluish green foliage. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7856 **Gymnothrix Latifolia. (Pennisetum Latifolium.)** 3 to 4 feet, bearing several nodding plumes. 1 to 2 feet long. **Seeds,** 15c per pkt.

7856A **Gynerium Argenteum.** Pampas Grass. The plumes are silvery white. Perfect specimens can be obtained only in light, rich soil with moderate moisture, especially in early growth. **Seeds,** 15c per pkt.

7856B **Stipa Pennata.** Feather Grass. A well-known variety which has been grown in gardens. **Seeds,** 25c per pkt.

7859 **Uniola Latifolia (Spike Grass).** Leaves are broad and flat, often one inch wide, spikelets large and thin and when full grown droop on slender stems. **Seeds,** 15c per pkt.

Vaughan's Perennial Flower Seeds and Plants

GOLDEN ROD—See Solidago on Page 84.

GUNNERA (Prickly Rhubarb)

7858 **Manicata.** 3 to 6 feet. A noble plant with huge leaves from 4 to 5 feet in diameter; requires a damp situation. A fine subject for large lawns, the bog garden, or beside pools. **Seeds,** 35c per pkt.

GYPSOPHILA

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting. Do not disturb after once established.

7860 **Paniculata Flore Pleno.** A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. **Seeds,** 25c per pkt. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

7865 **Paniculata (Baby's Breath).** 2-3 ft. July-August. Small flowers on branched stems, so thick as to give the plant a white lace-like effect **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

—**Bristol Fairy,** New. Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than paniculata fl. pl. and producing a second crop of spikes after the first have been cut. **Plants,** 75c each.

7862 ×**Repens.** Dwarf white Baby's Breath. Splendid in rockery. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

HEDYSARUM

7866 **Coronarium, Red.** French Honeysuckle. Attractive border plants with showy racemes of deep red, fragrant flowers. 2-4 ft. Summer. Need sun and light, well-drained soil. **Seeds,** 10c per pkt.

HELENIUM (Sneezewort)

The Heleniums are tall plants which are closely related to the Sunflower. The blooming period is from June to the end of September The flowers are flat and borne in large heads of clusters.

—**Autumnale Rubrum.** 3 to 4 ft. Aug-Sept. Oxblood-red changing to terra cotta. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7875 **Autumnale Superbum.** 4-5 ft. Large clear light yellow, flowers in Sept. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7880 **Bigelowi.** 2 ft. Large rich yellow flowers. **Seeds,** 10c per pkt.

7885 **Hoopesii.** 1-3 ft. June. Rich orange-yellow with slightly drooping rays. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7890 **Riverton Gem.** 2 to 4 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower-red. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

—**Riverton Beauty.** Rich lemon-yellow, with a large purplish cone. 4-5 ft. Aug.-Sept. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

HOSTA (Funkia or Day Lily)

HELIANTHEMUM

7906 ×**Mutabile (Rock Rose).** Low-growing evergreen plants forming large clumps. completely covered with bloom during July and Aug. Pale rose changing to lilac, then to white. 8-12 in. Excellent for rockeries. Mixed colors. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

HELIANTHUS (Hardy Sunflower)

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

7899 **Angustifolius (Autumn Glory).** 5 to 7 ft. The great massing branches are a sheet of solid bloom of the clearest and richest golden yellow. Flowers are like great daisies flecked with gold. Blooms very late in season after frost has killed everything else. **Seeds,** 15c per pkt.

7900 **Maximilianii.** Small and graceful flowers of deep yellow on stems 2 to 4 ft. long, blooming from August to October. **Seeds,** 25c per pkt.

7905 **Perennial Varieties, Mixed. Seeds,** 15c per pkt.

—**Multiflorus Plenus (Dahlia Sunflower).** Aug.-Sept. Double yellow. Fine for cut flowers. 3-6 ft. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

MALLOW MARVELS (Hibiscus)

HELIOPSIS (Orange Sunflower)

A very brilliant border plant, resembling a double sunflower; flowers are double yellow; produced on long wiry stems; an excellent cut flower.

7910 **Pitcheriana.** 3 to 4 ft. high. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and blooms all summer. **Seeds,** 10c per pkt.

7915 **Scabra Zinniaeflora Plena.** 3 ft. A compact, bushy plant with double yellow zinnia-like flowers borne freely in July and August. **Seeds,** 15c per pkt

7916 **Soleil d'Or (Golden Sun).** Free flowering, very useful in the garden for display or cutting, golden yellow flowers. **Seeds,** 20c per pkt.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and many have a delightful fragrance.

—**Aureole.** 3 ft. May-July. Orange shade with crimson.

—**Citrina.** June-July. Pale citron-yellow. 2 ft.

—**Dr. Regal.** Rich orange-yellow. May and June.

—**Flava.** July-August. Yellow. 3 ft.

—**Fulva Kwanso, fl. pl.** June-July. Coppery red double. 3 ft.

—**Sovereign.** June-July. Chrome-yellow. 3 ft.

Plants, any of above Hemerocallis, 3 for 65c; doz., $2.00; 100, $10.00.

Hemerocallis Collection No. 79

One plant each of above 6 varieties for $1.20, prepaid.

LOBELIA Cardinalis

HELLEBORUS

7920 **Niger (Christmas Rose).** 1 ft. White flower appearing very late in season. Plant in rich loam and coarse sand with top-dressing of rotten manure. When once established in border do not disturb; seeds germinate very slowly. If the stems of the flowers are slit upwards a few inches before placing them in water they will last a long time in water. **Seeds,** 25c per pkt.

HEUCHERA (Coralbells)

Belong to Saxifrage order. They have roundish or heart-shaped leaves, a thick woody root stock and bear their dainty flowers in graceful pannicles or racemes. Exceptionally fine for rock gardens, for the front of borders, and cut flowers.

7941 ×**Brizoides Gracillima.** May-June. Bright, flesh-pink. 2 ft. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7940 **Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7942 **Sanguinea Maxima.** Large flowered, deep crimson. **Seeds,** 35c per pkt.

7943 **Sanguinea Hybrida Grandiflora.** Large flowered hybrids, very fine. **Seeds,** 35c per pkt.

—**New Hybrids.** All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free flowering of the plants. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

LUPINUS Polyphyllus

Vaughan's Perennial Flower Seeds and Plants

LINARIA Dalmatica Macedonica

HESPERIS MATRONALIS

(Sweet Rocket—Evening Scented Stock)

Belongs to the Wall flower family. Deliciously sweet-scented flowers for garden or cutting. 2-3 ft. June-Aug. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

7930 **Purpurea.** Purple. **Seeds,** ½ oz., 30c; 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7935 **Alba.** White. **Seeds,** 10c per pkt.

HIBISCUS (Rose Mallow) 3 to 5 Feet

Noble, shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Aug.-Sept.

7945 **Crimson Eye.** Creamy white flowers, large crimson center. **Seeds,** 10c per pkt.

7950 **Golden Bowl.** Deep cream, with a velvety maroon center. **Seeds,** 10c per pkt.

7955 **Moscheutos (Rose Mallow).** Very showy pink flowers. **Seeds,** 10c per pkt.

7960 **Mixed Mallow Marvels.** Grand assortment. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7965 **Mallow Marvels, Red.** Very choice. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LATHYRUS Latifolius (Perennial Pea)

HIBISCUS—Continued

—**Mallow Marvels, Pink.** **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Mallow Marvels, White.** **Plants,** 3 for 85c; doz., $2.50; 100, $15.00

HOLLYHOCK—See Color Section and perennial novelties.

HOSTA (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

—**Cordata Aurea Variegata.** Choice new variety. August. Lavender-blue, 1 ft. Large golden variegated leaves. **Plants,** 3 for $1.25; doz., $4.00.

—**Coerulea (Lanceolata).** Dark blue. 1 ft. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Subcordata Grandiflora.** Flowers white, large green leaves. **Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.

—**Variegata.** Good edging plant. Leaves white and green. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

HYACINTHUS

8060 **Candicans (Cape Hyacinth).** A snow-white summer flowering Hyacinth. 3 to 5 ft. tall, surmounted with from 20 to 30 pure white bell-shaped flowers. **Seeds,** 15c per pkt.

LUNARIA (Honesty or Peter's Penny)

HYPERICUM (St. John's Wort)

—**Moserianum.** 1½ ft. A splendid shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 in. in diameter, like immense single buttercups. A most desirable plant for sunny situations. Blooms all summer **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075 ×**Gibraltarica.** Pinkish white. **Seeds,** 10c per pkt.

8080 ×**Sempervirens.** Flowers form a sheet of whiteness. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8081 **Tenoreana.** 9 in. White flowers changing to pale purple. **Seeds,** 10c per pkt.

INCARVILLEA

8085 **Delavayi (Hardy Gloxiania).** 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8086 **Grandiflora.** 1 ft. A Chinese species. Is another showy kind, with carmine flowers and bold, handsome foliage. Flowers in May and June. **Seeds,** 25c per pkt.

—**Variabilis.** 2 ft. Blooms all summer. Shrub-like growth, cream colored blossom tinted pink. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LYCHNIS Chalcedonica

INULA

8088 ×**Ensifolia.** 9 in. July-Sept. Vigorous plant and a continuous bloomer with large yellow aster-like flowers and rather coarse foliage. **Seeds,** 25c per pkt.

IRIS

8090 **Kaempferi (Japanese Iris).** The seeds we offer have been saved from our own unrivaled collection, and should produce only varieties of the highest merit. Seed of slow germination. **Seeds,** 10c per pkt.

8091 **Large flowering Hybrids.** This seed comes from the trial grounds and workshop of a French specialist who has introduced many new and beautiful varieties and this seed should produce some attractive sorts. Iris seedlings usually bloom second year. **Seeds,** 50c per pkt.

8092 **Siberica (Siberian Iris).** Mixed. 3 ft. Plants of stately growth. Should be planted in moist shady borders. **Seeds,** 15c per pkt.

—**KNIPHOFIA.** See **Tritoma.**

LATHYRUS LATIFOLIUS (Hardy Pea)

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

8100 **Pink Beauty.** Pale pink variety.

8105 **Rubra.** Bright rosy crimson.

8110 **White Pearl.** Large-flowering white.

8115 **Mixed.** The above colors.

Each of the above. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LAVANDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

8116 **Vera (True Lavender).** 2 ft. June-Aug. Blue. **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

LIATRIS (Kansas Gay Feather)

It grows in long spikes 4 to 5 feet tall and densely covered with slender grass-like leaves of a light green. The small flowers are light rosy-purple; a peculiar habit of the Liatris is that the succession of bloom is from the top downward rather than from the lowest blooms up to the highest as in all other spike flowers.

8123 **Pycnostachya.** One of the choicest and boldest species. Flowers purple in dense spikes, which bloom a long time. Foliage thick and grass-like; excellent for masses in the border. 4 to 5 ft. July-Aug. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8118 **Spicata (Button Snakeroot).** Western and Southern States. Purple flowers on spike 6 to 15 in. long 2 to 3 ft. July-Sept. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8119 **Scariosa.** Rare North American species. Crowded spikes of rosy purple flowers. **Seeds,** 15c per pkt.

Vaughan's Perennial Flower Seeds and Plants

LINARIA (Toad Flax)

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8120 ×**Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. **Seeds,** 10c per pkt.

8121 ×**Dalmatica Macedonica.** The dainty flowers resemble those of snapdragon, bright yellow with orange lip. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LINUM (Flax)

Flax is a lovely, airy plant. The general height is from 12 to 18 inches. The foliage and flowers are very delicate and graceful and present the appearance of a small feathery bush. The flowers are borne in great numbers all during the blooming season which lasts from May through Sept. They have the capricious habit of blooming every other day.

8124 **Narbonnense.** Forms a spreading clump of attractive foliage with a profusion of azure-blue flowers with white eye. **Seeds,** 25c per pkt.

8125 **Perenne Blue.** May-Aug. 2 ft. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in such profusion it creates the effect of blue sheen over the plant. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8130 —**Album.** Milk-white flowers. **Seeds,** 10c per pkt.

8135 —**Mixed.** **Seeds,** 10c per pkt.

8140 **Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. **Seeds,** 10c per pkt.

LOBELIA

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam. Season Aug. till late Sept.

8145 **Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of brilliant fiery scarlet flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8146 **Syphilitica. (Great Blue Lobelia.)** 3 ft. Aug.-Sept. A native wild flower. Fine spikes of blue flowers streaked in white. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LUNARIA

8150 **Annua (Biennis) (Honesty or St. Peter's Penny).** Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. **Seeds,** 10c per pkt.

8155 **Alba.** Pure white. **Seeds,** 10c per pkt.

LYSIMACHIA

×**Nummularia (Moneywort).** Creeping Jenny an exceptionally good, nearly evergreen, ground cover for the rock garden. In the spring it is covered with bright yellow flowers which continue at intervals all summer. The foliage is a bright, shiny, light green that is attractive the entire year. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LYCHNIS

LUPINUS (Polyphyllus)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom. Do not disturb plants after they are once established. June-Sept.

8170 **Albus.** Large, pure white spikes. 2-3 ft. **Seeds,** 10c per pkt.

8165 **Blue.** 3 ft. Stately spikes of blue, **Seeds,** 10c per pkt.

8171 **Golden Spire.** Golden yellow and purple flowers. **Seeds,** 25c per pkt.

8176 **Lavender Queen.** Lavender tinted pink blossoms. **Seeds,** 25c per pkt.

8172 **Moerheimi.** 2-3 ft. Beautiful soft pink, **Seeds,** 15c per pkt.

8177 **Princess Juliana.** Lovely pink blooms. **Seeds,** 25c per pkt.

8175 **Roseus.** 4 ft. Light and dark rose flowers on long stem. **Seeds,** 15c per pkt.

8178 **Sunshine.** A beautiful variety producing bold spikes of clear yellow. **Seeds,** 25c per pkt.

8174 **Downer's Hybrids.** Perpetual flowering new hybrids. **Seeds,** 25c per pkt.

8173 **Harkness' Regal Mixture.** A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate. **Seeds,** 25c per pkt.

8180 **Mixed.** Splendid value. **Seeds,** 10c per pkt. **Plants,** any of above Lupinus strong 1 year roots 3 for 85c; doz., $2.50; 100, $15.00.

MERTENSIA (Blue Bells)

LYCHNIS

A fine old-fashioned flower, bearing large heads of brilliantly colored flowers, that liven up the border during Summer and early Autumn.

8200 ×**Alpina.** 4 in. April. Close tufts olive green foliage. Clusters of rose-colored flowers. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8189 **Arkwrightii.** A cross between Chalcedonica and Haageana. 2 to 3 ft. May. An abundance of large flowers in brilliant colors, varying from orange scarlet to soft salmon pink **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8190 **Chalcedonica (Jerusalem Cross).** 3 ft. June-Aug. Burning Star. Flowers which are of the most fiery red imaginable appear in clusters, each individual blossom forming a maltese cross. Will bloom from seed the first year. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8195 **Chalcedonica Alba.** White. **Seeds,** 10c per pkt.

8201 **Flos-Cuculi (Ragged Robin).** 1-2 ft. May-Aug. Very pretty rose-pink flowers. **Seeds,** 10c per pkt.

8205 **Fulgens.** 1-1½ ft. Bright scarlet. **Seeds,** 15c per pkt.

8210 ×**Haageana Hybrids.** 1 ft. June-July. Mixed, ranging from nearly white to bright scarlet. **Seeds,** 10 per pkt.

8215 ×**Viscaria Splendens.** 1½ ft. Makes large clumps of almost evergreen foliage. Its flowers are bright rose; useful for cut flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

MYOSOTIS Ruth Fisher

LYTHRUM

8220 **Roseum Superbum.** 4 ft. July-Aug. A native perennial, good for massing. Flowers rosy lilac produced on long slender spikes. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

MALVA

Free-flowering and showy perennials, suitable for sunny borders or the wild garden. The flowers are large, attractive, and borne in terminal clusters, and the leaves are lobed or cut. Belong to the Mallow order.

8221 **Moschata (Musk Mallow).** 2 ft. Satiny pink flowers. June to Sept. **Seeds,** 15c per pkt.

MATRICARIA

—**Capensis Fl. Pl.** The true double flowered hardy white Feverfew. Marguerite-like foliage with clusters of double pompon-flowers from June to October. One of the best all-season cut-flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

MAZUS

×**Reptans.** 4 inch. One of the finest and most interesting ground covers for the rock garden. During the spring it is covered with orange throated lilac flowers that resemble a tiny hand. An excellent plant for shady places. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

MERTENSIA (Blue Bells)

—**Virginica.** May-June. Light blue. 18-in. Soft, light green stems and foliage. The flowers are reddish purple when in bud but, as the flowers open, they change to a lovely gentian-blue. They hang in drooping, nodding, graceful clusters and individual flowers are funnel-shaped. Blooms early. Moist soil in shady location. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

MICHAELMAS DAISY—See Aster.

MINT (Mentha)

—Old-fashioned hardy, useful plant. 4 in. pots. **Plants,** 3 for 65c; doz., $2.00; 100, $10.00.

MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

—**Didyma.** June-Sept. Brilliant scarlet. 3 ft. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8226 **Hybrida.** Mixed seeds, 15c pkt.

—**Fistulosa.** 3 ft. July. Purple flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Fistulosa Alba.** White form of above. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Vaughan's Perennial Flower Seeds and Plants

ICELAND POPPY

MYOSOTIS (Forget-Me-Not) 4 to 9 In.

Lovely dwarf plant fordamp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot-bed or cold frame accommodations for wintering the yearling plants.

8230 **Dissitiflora.** Rich blue, early and compact. One of the best. **Seeds,** 10c per pkt.

8240 **Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8245 **Vaughan's Early and Late-Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Plants may be in bloom at any time of the year. **Seeds,** 10c per pkt.

8249 **Isolde Krotz.** Plant of compact habit, robust growth, flowers large true forget-me-not blue. Splendid for pots and spring bedding. **Seeds,** 25c per pkt.

8250 **Ruth Fisher.** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. **Seeds,** 25c per pkt.

8251 **Blue Bird.** A beautiful winter-flowering deep blue variety. **Seeds,** 25c per pkt.

MYOSOTIS—For other varieties see page 58.

NEPETA (Mauve Catnip)

Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or rock garden.

8254 ×**Mussini.** May-Sept. Light blue. 1 ft. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

NIEREMBERGIA

×— **Rivularis (White Cup).** 4 in. May-Sept. Dwarf, creeping rock plant bearing cup-shaped white flowers all summer. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

OENOTHERA (Evening Primrose)

Showy and beautiful plants for borders, beds, etc., flowering from June to October.

8255 **Fraseri.** Rich golden yellow. Glaucous foliage. 2-3 ft. **Seeds,** 10c per pkt.

8260 **Lamarckiana.** 2 ft. Large flowered, yellow. **Seeds,** 10c per pkt.

8261 ×**Missouriensis (Macrocarpa).** 1 ft. Long trailing stems with large yellow flowers followed by large winged seed. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8265 **Youngii.** 1-3 ft. Deep golden yellow flowers with reddish stems. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

PACHYSANDRA

×**Terminalis.** 4 to 6 in. Small whitish flowers in May, which are insignificant, deep green, evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

PAPAVER (Poppy)

8269 ×**Alpine Mixed.** 6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Useful for rockwork. **Seeds,** 35c per pkt.

8295 **Bracteatum.** 3 ft. Scarlet. **Seeds,** 10c per pkt.

Nudicaule (Iceland Poppy).

The plant is of neat habit, forming a tuft of bright green, fern-like foliage from which spring throughout the entire season a profusion of slender, leafless stems, 1 foot high, each graced with charming cup-shaped flowers.

8275 ×**Yellow.** 8280 ×**Orange.**
8285 ×**White.** 8270 ×**Mixed.**

Each of above four Nudicaule varieties seeds, 10c per pkt.

8288 ×**Gibson's New Giant Orange.** **Seeds,** 20c per pkt.

8290 ×**Double Mixed.** Extra fine strain. **Seeds,** 15c per pkt.

8286 ×**Sunbeams.** This is the result of a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. **Seeds,** 25c per pkt.

Orientale (Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders. 3 ft. May-June.

POPPY—Oriental

8300 **Annual Oriental.** A new strain of the Oriental Poppy, which will bloom the first year, if sown early. **Seeds,** 25c per pkt.

8310 **Oriental Red.** Very striking color. **Seeds,** 10c per pkt.

8315 **Oriental Hybrids, Mixed.** **Seeds,** 10c per pkt.

8306 **Perry's White.** 2½ ft. Large, handsome, satiny white flowers with purple-black blotch at base of each petal. **Seeds,** 25c per pkt.

—**King George.** Splendid bright scarlet, petals deeply fringed. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

—**Olympia.** 2½ ft. A new double flowered introduction. Brilliant rich flame overlaid golden salmon. Vigorous grower and free flowering. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

—**Mrs. Perry.** Delicate salmon-rose. with black blotches. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

—**Royal Scarlet.** **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8305 **Princess Victoria Louise.** Large flower, soft lilac-rose color. **Seeds,** 15c per pkt.

PENTSTEMON (Beard Tongue)

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers with hairy throats from whence the name "Beard Tongue" comes.

8316 **Barbatus Torreyi (Chelone Barbata).** July-Aug. Coral red. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8317 **Coccineus.** Scarlet. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8325 **Pubescens.** Rosy purple. 2 ft. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

PENTSTEMON (Beard Tongue)—Continued

—**Lyoni.** 2 to 4 ft. Dark glossy foliage, purple red flowers, spikes are borne profusely during Aug. and Sept. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8330 **Large Flowering Newest Hybrids.** Splendid assortment of colors. **Seeds,** 15c per pkt.

8335 **Digitalis.** 2 ft. June-July. White. flowers with purple throat. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8337 **Southgate Gem.** Long graceful stems carrying numerous rich poppy-red flowers, showing pure white throats. **Seeds,** 25c per pkt.

8338 **Hybrida Graziella.** Free blooming and graceful small flowers in a great many new colors. **Seeds,** 35c per pkt.

Pentstemon Collection No. 82

One plant each of 4 varieties, our selection, for $1.20.

For others see page 60.

PEONY

8339 **Chinensis Double Mixed.** Seed saved from our own collection at our nursery. Seed germinates very slowly. Keep seed bed undisturbed. **Seeds,** 15c per pkt. **Plants, see page 88.**

PHLOX (Hardy)

8340 **Decussata.** 2-3 ft. June-Oct. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. **Seeds,** 15c per pkt. **Plants, see page 87.**

PHYSALIS Franchetti (Chinese Lantern Plant) See page 72.

PHYSOSTEGIA—See page 72.

PLATYCODON (Chinese Bell Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons; they flower from June to Sept.

8360 **Grandiflorum.** 1-2 ft. Large, handsome, deep blue flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8365 — **Album.** White. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8370 ×**Mariesii Blue.** 1 ft. Deep blue flowers, dwarf. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8375 × — **Alba.** White. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

POLEMONIUM (Jacob's Ladder)

Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border.

8380 **Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8385 —**Album.** Pure white. **Seeds,** 10c per pkt.

8386 —**Prima Donna.** Dwarf plant with delicate light blue flowers, 18 inches. **Seeds,** 20c per pkt.

×**Reptans.** 8 to 10 in. April-June. Dwarf bushy plant of graceful growth. Showy blue flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00

8388 **Richardsoni.** 18 in. Really a variety of pumila, has large sky-blue flowers with a yellow eye. Flowers May to Sept. **Seeds,** Pkt. 25c.

PLATYCODON

Vaughan's Perennial Flower Seeds and Plants

PRIMULA Veris

POTENTILLA (Cinquefoil)

Potentillas greatly resemble the Strawberry plant, especially in the manner of growth and the foliage. This is a trailing plant which covers the ground rapidly and sends out roots as it goes along. The flowers are very showy, the colors are very bright.

8390 **Formosa.** Cherry rose-colored flowers in summer. 1-2 ft. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8392 **Nepalensis (Miss Willmott).** Flowers salmon-pink very freely produced. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8395 **Single Mixed.** All colors. **Seeds,** 10c per pkt.

8400 **Double Mixed.** All colors. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8401 **Rupestris.** 20 in. Flowers white in June. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

POPPY—See Papaver.

PRIMULA (Primrose)

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location and are fine for a rock garden.

8402 ×**Acaulis (Vulgaris) (Common Primrose).** Flowers bright yellow; fragrant. **Seeds,** 10c per pkt.

8403 ×**Auricula.** 6 in. Flowers in early spring in colors of yellow, brown and red. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8404 **Beesiana.** 18 in. Chinese species has woolly leaves with brilliant velvety purple flowers with a large yellow eye. Borne in whorls in April and May. **Seeds,** 35c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8405 ×**Bullesiana Hybrida.** New hybrids of rose, orange, carmine, light and dark blue. **Seeds,** 50c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8405A ×**Cashmeriana.** 1 ft. Flowers in dense heads lilac in color. Blooms early. **Seeds,** 25c per pkt.

8406 ×**Floribunda Grandiflora.** A large flowered yellow variety that does well in winter in pots. **Seeds,** 35c per pkt.

8408 ×**Japonica Mixed.** One of the most stately and attractive species. Several superimposed whorls of flowers on stems. 8-24 in. high. June. **Seeds,** 15c per pkt.

8410 ×**Japonica.** Mrs. Scott Elliott's Special Strain. A very fine selection made by Mrs. Elliott. Colors range through all shades of white, rose, pink, crimson, mauve and lavender, bright crimson with orange eye. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8412 ×**Officinalis.** The common yellow cowslip. **Seeds,** 15c per pkt.

8413 ×**Pulverulenta.** 18 in. Shining purple-carmine flowers **Seeds,** 35c per pkt.

8414 ×**Rosea Grandiflora.** Rose carmine. 8 in. May-June. **Seeds,** 35c per pkt.

8415 ×**Veris, Mixed.** The Oxlip, bearing bright yellow flowers in umbels. 6-9 in. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, for $15.00.

8416 ×**Grandiflora, Mixed.** An extra choice large flowered mixed strain. **Seeds,** 25c per pkt.

8417 ×**Munstead Strain.** A giant polyanthus in many charming shades. **Seeds,** 35c per pkt.

8418 ×**Lutea.** Yellow. **Seeds,** 25c per pkt.

Primula Collection No. 83

One plant each 4 varieties our selection for $1.35.

PYRETHRUM—See page 72.

PUERARIA (Kudzu Vine)

8425 **Thunbergiana (Jack-and-the-Bean-Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. **Seeds,** 10c per pkt. For roots see Hardy Vine page 98.

RANUNCULUS (Buttercup)

Well-known double yellow buttercup, effective either as a cut flower or grouped in the hardy borders.

8446 ×**Asiaticus.** Flowers in May, variable in color, generally double in form, will bloom from seed the first year if sown early. 6-12 in. **Seeds,** 15c per pkt.

—**Acris fl. pl. (Double Buttercup.)** May-June. Yellow. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

×**Repens fl. pl.** Double creeping Buttercup. May-June. 6 in. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

REHMANNIA

8449 **Angulata.** 2 ft. Large Incarvillea-like flowers in rose and red shades. **Seeds,** 25c per pkt.

SALVIA Azurea Grandiflora

ROMNEYA

8445 **Coulteri (California Tree Poppy).** 5 ft. An exceedingly beautiful, sub-shrubby, Californian perennial, with glaucous, pinnatified leaves, woody stems and large, satiny, white fragrant, Poppy-like flowers. The flowers often measure 6 in. in diameter, and the numerous golden stamens which fill the centres add materially to their beauty. **Seeds,** 15c per pkt.

RUDBECKIA (Cone Flower)

Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

8450 **Fulgida.** Yellow. 1-2 ft. **Seeds,** 10c per pkt.

8455 **Hirta. (Black-Eyed Susan.)** 1-3 ft. **Seeds,** 10c per pkt.

8460 **Speciosa (Newmanii).** 3 ft. Rich golden yellow with central black disc. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Purpurea Grandiflora.** See **Echinacea Purpurea.**

—**Laciniata fl. pl. (Golden Glow.)** July-October. Yellow. 5 to 7 ft. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

SALVIA

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. The flowers are borne in spikes, racemes, or panicles, and very attractive during the summer months. Belonging to the Sage order.

8470 **Argentea.** 3 ft. June. Silvery white foliage, pyramids of yellow flowers. **Seeds,** 10c per pkt.

8475 **Azurea Grandiflora.** 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100 for $15.00.

8476 **Nutans.** 3 ft. A dark blue drooping flower. **Seeds,** 15c per pkt.

8477 **Pratensis.** 2 ft. A violet blue. **Seeds,** 15c per pkt.

8478 **Verbascifolia Syria.** 5 ft. Makes a bold clump of foliage, the oval leaves fully one foot in length and half as broad, being dull olive-green above, deeply netted and covered on the under side with creamy white felt. Flower spikes 18 in. tall. Flowers dark blue, hairy within and without. **Seeds,** 25c per pkt.

8480 **Patens.** 2 ft. Large, rich deep blue flowers. Roots should be dug and wintered in cold cellar. Sept. **Seeds,** 25c per pkt.

—**Pitcheri (Meadow Sage).** Sept.-Oct. Deep blue. 3½ ft. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

—**Officinalis (Common Sage).** White-woolly. 6-12 in. **Plants,** 3 for 65c; doz., $2.00; 100, $10.00.

—**Uliginosa.** 4 ft. Sept.-Oct. Branching habit, blue flowers in great profusion. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

SAPONARIA

8485 ×**Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8484 **Officinallis.** 2 ft. "Bouncing Bet," a native wild flower with whitish flowers. **Seeds,** 15c per pkt.

SAXIFRAGA (Megasea)

The Saxifrages are one of the largest and one of the most important genus of plants, connected with Alpine gardening.

—**Cordifolia.** Light pink. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8487 ×**Cordifolia Splendens.** 2 ft. Useful little plant for rock gardens. Bright rose-pink. **Seeds,** 35c per pkt.

8488 ×**Lingulata Leichtlini.** 30 inches. Bright red rock garden subject. **Seeds,** 50c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

—**Crassifolia.** 1 ft. Large clustered leaves, graceful sprays pink flowers. April-June. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8486 ×**Decipiens Grandiflora.** Masses of white flowers. 18 in. **Seeds,** 35c per pkt.

—**Decipiens (Crimson Moss).** 4 in. Charming mossy foliage. White flowers. May-June. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8489 ×**Rhei superba.** Rose. 12 in. May-July. **Seeds,** 35c per pkt.

SEDUM Spectabile

Vaughan's Perennial Flower Seeds and Plants

STATICE Latifolia (Sea Lavender)

SCABIOSA (Pincushion)

To those persons who are familiar with the annual sorts of Scabiosa, we need only say the perennials resemble the annuals except that the perennials have shorter florets at the center, while in the annual sorts the flowers are made up of florets of more uniform length.

8490 **Caucasica Perfecta.** Light blue flowers prettily fringed on long stem; fine for cutting. 18 in. June-October. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8491 **Caucasica Alba.** White. **Seeds,** 25c per pkt.

8492 **House's New Giant Hybrids.** A very beautiful new strain. Flowers very large and of beautiful form ranging in color from light azure-blue and lavender to deep blue and silvery white. **Seeds,** 25c per pkt.

—**Columbaria Rosea.** Flowers measure 2 inches across —very freely produced of a beautiful shape somewhat smaller than Scabiosa Caucasica of a deep rosy mauve almost a rose. Deeply lancinated foliage. **Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.

8495 **Japonica.** 2 ft. Lavender-blue flowers. September to frost. **Seeds,** 10c per pkt.

SCUTELLARIA

8495A ×**Coelestina.** Pretty blue Siberian rock plant. **Seeds,** 25c per pkt.

SEDUM

Fine plants for rock gardens. A genus of plants with more or less fleshy leaves belonging to the Houseleek order. The species vary in habit from dwarf, creeping plants to those of larger growth, as the Spectabile, grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth. The dwarf kinds do well as edgings to borders and the others are suitable for grouping in the mixed border. They are the easiest of all plants to grow.

8501 ×**Acre (Golden Moss).** 3 in. This low tufted perennial spreads over the soil. The leaves are small, attractive, light green. The flowers, bright yellow in color, completely cover the plants and open in June and July. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Album.** 3 in. Thick waxy green foliage, white flowers in May-July. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Brilliant.** June-July. Scarlet. 12 in. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Kamtschaticum.** 6 in. Prostate green foliage turning yellow in fall. Orange-yellow flowers July. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Lydium.** 3 in. Bronze foliage, pink flowers, July. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Rubrum.** June-August. Brilliant red. 18 in. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Sarmentosum.** 5 in. Rapid grower, yellowish-green foliage. Yellow flowers, May-June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Sexangulare (Hexagon Stone Crop).** An improved Acre. Very dark green foliage, dense and prolific. Bright yellow flowers produced in profusion during May and June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

SEDUM—Continued

×**Sieboldii.** Round succulent, glaucous foliage; bright pink flowers in August and September. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8503 ×**Spurium.** 6 in. From the Caucasus, has pink flowers which appear in July and Aug. **Seeds,** 25c per pkt.

×**Stoloniferum (Coccineum).** Very attractive trailing and semi-erect. Bronze-red foliage with purple-pink flowers during July and August. **Plants** 3 for 85c; doz., $2.50; 100, $15.00.

—**Spectabile.** 18 in. One of the prettiest erect-growing species, with broad, light green foliage and immense heads of handsome showy rose-colored flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Sedum Collection No. 84

One plant each, 6 varieties, our selection, for $1.80.

SEMPERVIVUM (Hen and Chickens)

×**Globiferum.** Flattened rosettes 2 to 3 inches diameter, grey-green leaves tipped brown. Pale yellow flowers in June. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

×**Tectorum.** 3 to 4-inch rosettes, leaves tipped reddish brown. Light red flowers. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

SIDALCEA

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes. Suitable for sunny borders. The genus belongs to the Mallow order.

8496 **Rose Queen.** 2-3 ft. July-Aug. Beautiful rose-pink flowers. Very distinct. **Seeds,** 15c per pkt.

8497 **Rosy Gem.** 4 ft. Produces numerous flower spikes of pretty clear rose shade. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8498 **New Hybrids.** Flowers in many shades from blush pink to crimson. **Seeds,** 25c per pkt.

SILENE (Catchfly)

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all Summer.

8500 ×**Orientalis.** 8 in. Tall, robust-growing biennial of neat habit; plants freely branched from the base, each branch carrying a large globular head of bright rose flowers, which are clove-scented. **Seeds,** 10c per pkt.

8505 ×**Schafta.** 4 in. July-October. Bright rose; one of the best autumn border plants. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

TROLLIUS (Globe Flower)

THALICTRUM, Dipterocarpum

SOLIDAGO (Golden Rod)

Hardy, free flowering, and showy perennials, suitable for ordinary borders, naturalizing in the wild or woodland garden, or by the waterside. All yellow-flowered borne in terminal, arching racemes. Native of North America, and members of the Daisy order.

8510 **Canadensis.** 3-5 ft. Aug.-Nov. Gracefully arched sprays of golden yellow flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz.; $2.50; 100, $15.00.

8511 ×**Virgo-aurea Alpestris.** Yellow. 10 in. Spring. **Seeds,** 15c per pkt.

SPIRAEA (Meadow Sweet)—See Filipendula Hexapetala.

STACHYS (Lamb's Ears)

8515 **Lanata.** 1-1½ ft. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

SPERGULA

8512 ×**Pilifera.** 4 inches. A hardy evergreen suitable for grass edging or rockwork. **Seeds,** 35c per pkt.

STATICE (Sea Lavender)

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter use. They belong to the Thrift order.

8516 **Caspia.** The multitude of small flowers composed in spikes 2 to 3 ft. long of a tender lilac color. **Seeds,** 15c per pkt.

8519 ×**Incana Nana Alba.** 1 ft. Small pearly white flowers on branching stems. **Seeds,** 15c per pkt.

8520 **Latifolia.** 2 ft. Dense branching plumes of deep blue flowers. **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $18.00.

8517 **Perezii.** Rich bright blue. **Seeds,** pkt. 25c.

8518 **Tatarica.** White, useful for dyeing. **Seeds,** pkt. 25c.

STOKESIA (Stokes Aster)

Very handsome perennials with flowers that appear to be a cross between a china aster and a giant cornflower.

8525 **Cyanea.** 18 in. July-Oct. Flowers rich blue, very distinct. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8526 **Cyanea Alba.** White flowers. **Seeds,** 15c per pkt.

8535 **Cyanea, Mixed Colors.** **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

SWEET WILLIAM—See Color Section.

TARRAGON

—**True.** Used for cooking purposes. Large clumps. (This variety does not produce seed.) **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Vaughan's Perennial Flower Seeds and Plants

VERONICA Speedwell

THALICTRUM (Meadow Rue)

The foliage is very finely divided like that of the Maiden-hair fern or Columbine and is useful in making bouquets. The flowers are borne in feathery clusters. Easy of cultivation. Belong to the Buttercup order.

8540 ×**Adiantifolium.** 9 in. June-July. Light plumes of small whitish flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8541 **Aquilegifolium.** Feathered Columbine. Handsome foliage; sepals white, stamens purple. 3 ft. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8545 **Dipterocarpum.** 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy purple flowers with conspicuous yellow anthers. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8546 **Flavum.** Common yellow variety. 2-4 ft. Flowers in June. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8547 **Glaucum.** Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

THYMUS (Mountain Thyme)

Related to the ordinary thyme herb. Varieties below are much used in rock gardens for carpeting effect.

8549 ×**Serpyllum, Wild Thyme.** Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. **Seeds,** 25c per pkt.

×**Serpyllum Coccineum.** 2 in. Matted dark green foliage, dark red flowers. June-July. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Serpyllum Album.** 2 in. Like coccineum but white flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Lanuginosus.** 3 in. Woolly leaved Thyme, pink flowers. June-July. **Plants,** 3 for $1.00; doz., $2.50; 100, $15.00.

TRADESCANTIA

—**Virginiana.** (Spiderwort) Long grass-like leaves and blue or violet flowers. 2 ft. May-August. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

TRILLIUM (Wake Robin)

—**Grandiflorum.** 12 in. One of the most beautiful of our native spring-flowering perennials with tuberous root stocks, and furnished with three leaves borne in a whorl, and flowers with three petal-like segments. Splendid for naturalizing in moist shaded places. Flowers are pure white. **Plants,** 3 for 65c; doz., $1.50; 100, $8.00.

TRITOMA (Red-Hot Poker)

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8557 **Express.** An early-flowering yellow with a red bud. **Seeds,** 25c per pkt.

TRITOMA (Red-Hot Poker)—Continued

—**Grandis (Pfitzeri).** Orange-scarlet. 2-3 ft. Aug.-Sept. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8556 **Hybrida Early-Flowering Mixed.** These hybrids will contain many interesting colors and all will flower early. **Seeds,** 25c per pkt.

—**Royal Standard.** New. Golden yellow base, brilliant scarlet top. **Plants,** $1.00 each.

8558 **Tuckii.** Sometimes called May Queen. Flowers dark rose and creamy yellow. **Seeds,** 25c per pkt.

8555 **Uvaria Grandiflora.** 4 ft. August-November. The ordinary red Tritoma. **Seeds,** 15c per pkt.

TROLLIUS (Globe Flower)

—**Europaeus Ledebouri.** Desirable free flowering plants, producing their giant orange-yellow buttercup-like blossoms on stems 1-2 feet high in midsummer; succeed admirably in the border in a half-shady position in well-drained, preferably light soil. **Plants.** 3 for $1.40; doz. $4.50.

TUNICA

8559 ×**Saxifraga.** A pretty tufted plant with light pink flowers, produced all summer Useful either for the rockery or the border. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

VALERIANA (Garden Heliotrope)

8566 **Officinalis.** Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. 3 to 4 ft. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8560 **Var. Rubra.** 2 ft. Sweet-scented red flowers. **Seeds,** 10c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8565 **Var. Alba.** Pure white fragrant flowers. Flowers in June and is one of the most charming perennials. **Seeds,** 10c per pkt.

VERBASCUM

Plants of stately growth. The leaves more or less wooly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8567 **Olympicum.** 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. **Seeds,** 25c per pkt.

8568 **Hybridum, Miss Willmott.** The large white flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. **Seeds,** 15c per pkt.

8569 **Phoeniceum Hybrids.** 2 ft. Bears white, purple, rose or red flowers in erect spikes in summer. A native of Europe and Asia. **Seeds,** 25c per pkt.

8569A **Harkness Hybrids Mixed.** 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. **Seeds,** 25c per pkt.

VINCA

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees.

×**Minor (Grave Myrtle).** 4 in. June. Green foliage, large blue flowers. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

VERONICA (Speedwell)

Hardy, herbaceous perennials belonging to the Foxglove order. They vary in height from a few inches to 3 or 4 ft., and bear blue or white flowers in terminal spikes or racemes. Showy plants for sunny borders, and all of easy culture.

8570 **Spicata.** Blue. 2 ft. July-August. Small spikes of rich blue flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Spicata Alba.** June-July. White. 18 in. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Elegans.** 1½ ft. Erect growing, big spikes, pink flowers. July. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8575 **Perennial Varieties, Mixed. Seeds** 15c per pkt.

8571 **Amethystina.** June-July. Amethyst blue. 1 ft. **Seeds,** 25c per pkt.

8576 **Longifolia.** Spikes of light blue flowers, glaucous blue foliage. 2½ ft. July-Sept. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8572 ×**Longifolia Hendersoni Nana.** 1 ft. Dark blue flowers freely produced. **Seeds.** 25c per pkt.

—**Longifolia Subsessilis.** 2 ft. July-Sept. Spikes completely studded with blue flowers. A choice variety for cutting or decorative effect. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

8577 ×**Incana.** Ageratum-blue flowers, gray foliage. 12 in., summer. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

VALERIANA (Garden Heliotrope)

VERONICA (Speedwell)—Continued

8578 ×**Prostrata Mixed.** Blue and white. Trailer. June-July. **Seeds,** 25c per pkt.

8573 ×**Repens.** 1 in. Useful carpeting plant. Blue flowers. May-June. Needs protection over winter. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Rupestris.** Dwarf and spreading. Deep blue flowers. May-June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Veronica Collection No. 85

One plant each, 4 varieties, our selection, for $1.35.

VIOLA (Violet)

8581 ×**Bosniaca.** Free blooming, small deep purple flowers. **Seeds,** 25c per pkt.

8584 ×**Gracilis Lord Nelson.** Glowing violet purple. 6 in. April-August. **Seeds,** 35c per pkt.

8580 ×**Single.** Deep blue, common single violet. **Seeds,** 10c per pkt.

×**Prince of Wales.** Large single fragrant blooms. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

VIOLA CORNUTA

For Seeds See Color Section.

—**Admiration.** Light blue. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Black Prince.** Dark velvety blue. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Yellow.** **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Jersey Gem.** Short, bushy growth blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut-flower. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Lutea Splendens.** Rich golden yellow. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Mauve Queen.** Beautiful mauve color. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Papillo.** Blue and white, very pretty. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**White Perfection.** One of the finest whites. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

YUCCA (Adam's Needle)

8585 **Filamentosa.** 5-6 ft. or more. June-July. Has broad swordlike evergreen foliage which makes a large round clump. The flowering stalks are bare as much as 6 feet high, with large drooping creamy white flowers. It likes loose warm dry soil and a warm situation. **Seeds,** 10c per pkt.

—**2-Year. Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**3-Year. Plants,** 3 for $1.25; doz., $4.00.

8586 **Glauca Angustifolia.** (Soapwood Yucca.) Long stiff narrow evergreen foliage, flowers large white or purplish. **Seeds,** 25c per pkt.

AMBASSADEUR

JAPANESE IRIS

PROSPERO

Vaughan's Irises

Flag Iris or Fleur de Lis

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the exhibition rating given to them by the Iris Society, 10 being the highest rating used in judging.

Iris are the most effective if planted 3 of a kind in a clump.

Relative Prices (except where noted)

35c varieties supplied 3 of one kind for 70c.
50c varieties supplied 3 of one kind for $1.00.
75c varieties supplied 3 of one kind for $1.50.
$1.00 varieties supplied 3 of one kind for $2.00.

NEW VARIETIES AND NOVELTIES

9.2 **Asia.** 45 in. One of the most beautiful and finest Irises in cultivation. S. pale silvery lavender deepening at the base to golden yellow. F. pale reddish purple, lighter at the edges. Flowers exceptionally large. Late. $2.50.

8.4 **Caroline E. Stringer.** 33 in. Large delicate rose-flushed flowers of exceptional substance. Strong vigorous plant and free bloomer. $2.50.

8.2 **Chasseur.** 36 in. A fine yellow Iris. Large flowers with broad standards and well-rounded falls of clear yellow, shaded lighter at center. $2.00.

8.8 **Dominion.** 30 in. An outstanding Iris because of its wonderful rich coloring and extraordinary development of the fall. S. Dauphin's blue or light bluish violet; F. deep indigo-purple well expanded. $7.50.

8.0 **Folkwang.** 30 in. S. light rose-pink; F. claret-red with conspicuous veinings of brownish yellow, edged rose-pink. Beautiful color blend. $1.00.

9.1 **Germaine Perthuis.** 36 in. An enormous, rich violet purple, self-lighted by a striking yellow beard. Flowers have a wonderful velvety appearance and are deliciously scented. A descendent of S. de Mad. Gaudichau. $4.50

8.6 **Gold Imperial.** 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture and form. $2.50.

8.5 **Jubilee.** 30 in. A large ruffled flower of extra heavy substance. S. buff or rich peach color; F. cream white, margined and flecked deep copper. $2.00.

8.0 **Kalos.** 32 in. An exquisite white Iris lightly veined and flecked pale rose. Standards slightly ruffled; bright yellow beard. $1.00.

Labor. 36 in. An extraordinary Iris of an absolutely new color. S. dark violet heliotrope suffused with a soft coppery glow; F. deeper shade. A beautifully colored new Iris that is highly rated in England. $7.00.

8.8 **Leonato.** 48 in. An unusually fine Iris with exceedingly large and shapely fragrant flowers. Color pale lavender to silvery heliotrope. $3.50.

8.8 **Majestic.** 42 in. Dominion Seedling. Very large flowers of fine form, good substance and lasting quality. S. circular and arching, light lavender to mauve; F. very rich velvety raisin-purple. $4.00.

8.4 **Mary Gibson.** 42 in. S. light bronze overlaid with old rose; F. old rose suffused bronze with yellow base. Beautiful and distinctive. $3.00.

Midgard. 36 in. One of the new varieties introduced by Mr. Sass. Exceptionally large flowers of a yellow and pink blend of indescribable beauty. $6.00.

8.6 **Mildred Presby.** S. white; F. rich, dark, velvety pansy-violet with narrow edge of lavender white. Large flowers of clear coloring. $1.50.

8.8 **Mlle. Schwartz.** 48 in. Lovely pale mauve flowers of exceptionally large size, borne on very tall branching stems. $1.00.

9.1 **Morning Splendor.** 48 in. S. petunia violet; F. rich raisin-purple. The flowers are large, of fine form, heavy substance, and delightful fragrance; gives a beautiful red effect in the garden. $2.50.

8.3 **Ochracea (Sunset).** S. dull old gold; F. coppery yellow, tinged with purple. Flowers of wonderful coloring and artistic form. Late. $1.25.

8.5 **San Gabriel.** 48 in. A very large flower of lustrous pinkish lavender. Early. $2.00.

9.2 **Souv. de Loetitia Michaud.** 48 in. Magnificent flowers of an attractive shade of lobelia blue, shading toward the edge to pale blue; tall and free flowering on well branched stalks. $4.00.

8.5 **Susan Bliss.** 42 in. Exquisite flowers of a uniform shade of deep rose-pink with a light orange beard. Fine shape and of splendid substance. $1.50.

8.8 **Tenebrae.** 36 in. A richly colored Dominion seedling. S. deep violet-purple with maroon-purple shades in center; F. smooth and rounded, velvety black-purple. Large finely formed flowers. $2.50.

8.4 **Titan.** 36 in. A Dominion Seedling with flowers of enormous size. S. light violet-blue, broad and arching; F. violet-purple, spreading and of very great substance. $3.00.

8.2 **Taj Mahal.** 38 in. A very fine white of good shape and great substance borne on tall, well-balanced stalks. Vigorous grower. $2.50.

8.5 **Valencia.** 30 in. A bright orange-buff, similar to the color of the Valencia orange. A very charming new color. $2.00.

8.0 **Wild Rose.** 33 in. A charming pink flower of smooth satiny texture, in some lights almost the exact shade of the Prairie Rose. $1.50.

8.7 **Yolande.** 40 in. A seedling of Souv. de Mad. Gaudichau of a wonderful shade of rich, velvety dark blue-purple. Very large flowers. $2.50.

Special Offer No. 86

One each Chasseur, Germaine Perthuis, Labor, Morning Splendor, Souv. de Loetitia Michaud and Susan Bliss for $17.00.

TWENTY OF THE WORLD'S FINEST VARIETIES

9.2 **Ambassadeur.** 40 in. S. smoky bronze; F. dark velvety maroon. Voted by the American Iris Society the most popular Iris in the world. Late. 75c.

9.0 **Ballerine.** 48 in. One of the best of the light blue toned varieties. S. light violet-blue with waved edges; F. slightly deeper. Fragrant. $1.00.

8.4 **B. Y. Morrison.** 33 in. A very popular bicolor. S. pale lavender-violet; F. horizontal, velvety purple with broad lavender border. $1.00.

8.0 **Cluny.** 48 in. S. pale lilac-blue; F. slightly deeper. Flowers of very large size, of fine form and well placed. Very free flowering. 50c.

8.5 **Crusader.** 42 in. A very striking flower of brilliant clear blue. S. light blue; F. deep violet-blue; attractive orange beard. 75c.

8.4 **Dream.** 36 in. A very lovely, orchid-like flower of a soft clear pink. Of graceful Pallida habits, vigorous in growth and free flowering. 75c.

8.3 **Imperator.** 36 in. A large red toned Iris that adds a bright note to the garden. S. reddish-violet tinted buff; F. deeper shade. Late. $1.50.

8.0 **Lady Byng.** 36 in. A beautiful Iris of exceptionally fine form and substance. Color a clear pale lavender with a slight suffusion of rose. $1.00.

8.8 **Lent A. Williamson.** 42 in. S. campanula violet; F. velvety royal purple. One of the most outstanding American Irises. Vigorous grower. Early. 50c.

8.6 **Leverrier.** 42 in. Exceptionally large flowers of light rose-red effect. S. Chinese violet; F. rich pansy-violet. A beautiful variety. $1.00.

Complete List of Varieties with Prices Mailed Upon Request

IRISES—Continued

8.8 **Lord of June.** 40 in. S. flappy lavender-blue; F. rich violet-blue. Flowers exceedingly large and handsome; bold and vigorous habit. 75c.
8.7 **Magnifica.** 44 in. S. light purple on white; F. dark reddish purple. Flowers of heavy texture, measuring 6 inches high. Fragrant. $1.00.
8.4 **Medrano.** 30 in. S. and F. a beautiful dark smoky claret, a very rare color. Flowers of large size. Late. 75c.
8.4 **Mother of Pearl.** 48 in. A pale bluish lavender flower of exceptional substance and lustrous texture. A wonderful Iris; free flowering. 50c.
9.0 **Princess Beatrice.** 40 in. A selected form of Pallida Dalmatica and one of the finest of all Irises. Silvery lavender of satiny texture. 75c.
8.1 **Prospero.** 48 in. A vigorous tall-growing variety bearing enormous flowers of fine shape. Similar to Lent Williamson but of lighter coloring. $1.00.
8.8 **Queen Caterina.** 40 in. Pale lavender violet with a smooth iridescent sheen and bright orange beard. A beautifully colored Iris. 75c.
8.4 **Shekinah.** 36 in. Clear soft yellow, shaded deeper through the center. One of the finest of yellow Irises and the first of Pallida growth. 50c.
9.1 **Souv. de Mad. Gaudichau.** 40 in. This is without a doubt the most beautiful of all the deep purple Iris. Large flowers of rich velvety purple. $1.00.
8.5 **Sweet Lavender.** 36 in. S. pale lavender; F. deep rose-lavender, very broad and horizontal. A lovely Iris with fine fragrance. Late. 75c.

Special Offer No. 87B

One each Ambassadeur, Dream, Lent A. Williamson, Magnifica, Mother of Pearl, Princess Beatrice, Shekinah, and Souv. de Mad. Gaudichau for $4.50; 3 each for $10.00.

TWENTY SPLENDID STANDARD VARIETIES

8.3 **Afterglow.** 36 in. Soft grayish-lavender shaded yellow at the center. 50c.
8.6 **Alcazar.** 40 in. S. bluish-violet; F. purple-crimson. Large and fragrant. 35c.
7.6 **Ben Bow.** 36 in. Deep violet-blue of Pallida form. Very fine color. 50c.
7.6 **Dalila.** 24 in. S. pale flesh white; F. rich red-purple. Beautiful. 50c.
8.0 **Iris King.** 24 in. S. old gold; F. velvety crimson. Very rich coloring. 35c.
8.3 **Isoline.** 36 in. S. lilac-pink; F. purplish old rose. Handsome flowers. 50c.
7.5 **Juniata.** 42 in. Large flowers of clear deep blue. Very sweet scented. 35c.
7.5 **Kochi.** 24 in. Rich claret-purple, a striking dark flower. Very early. 35c.
7.8 **La Neige.** 24 in. Pure glistening ivory white with horizontal falls. 35c.
7.6 **Lohengrin.** 36 in. Large, handsome pink silvery mauve flowers. 35c.
7.4 **Monsignor.** 24 in. S. bluish lavender; F. violet. Blooms a long time. 35c.
8.2 **Opera.** 28 in. S. reddish-purple; F. purple-violet. Wonderful coloring. 50c.
8.8 **Pallida Dalmatica.** 36 in. Exquisite lavender-blue. Free flowering. 35c.
8.6 **Prosper Laugier.** 36 in. S. fiery bronze; F. velvety ruby-purple. 35c.
7.1 **Queen of May.** 30 in. Lilac-pink. A fine old variety; fragrant. Early. 35c.
7.4 **Raffet.** 26 in. S. lavender-blue; F. lavender-violet; very late. 50c.
8.2 **Rhein Nixe.** 36 in. S. white; F. rich violet-purple. A charming flower. 35c.
7.4 **Roseway.** 36 in. Deep red-pink Pallida. Early. Strong branching stalks. 50c.
8.3 **Seminole.** 30 in. S. soft violet-rose; F. velvety crimson. Outstanding. 50c.
7.7 **Sherwin Wright.** 26 in. Deep golden yellow. Prolific bloomer. 35c.

Special Offer No. 87C

One each of Ben Bow, Lohengrin, Opera, Pallida Dalmatica, Rhein Nixe, Queen of May, Seminole, and Sherwin Wright for $2.50; 3 each for $5.00.

JAPANESE IRISES (Kaempferi)

The last of the Iris Species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

Gold Bound. Double. White with gold-banded center. Earliest to bloom.
Kumochi-Guma. A very full double of dark purplish indigo. Midseason.
Kumo-No-Obi (Band of Cloud). A beautiful double of pleasing lavender effect.
Mahogany. Large double flowers of velvety-mahogany red. Late.
Momigi-No-Taki (Maple Waterfall). Bright rosy crimson feathered in white. D.
Norma. Exquisite silky lavender-pink. Fine large double. 75c.
Purple and Gold. An enormous double of rich violet-purple with gold center.
Uchiu. Cerulean blue, veined white; gold center. Blooms a long time. Double.
Sea Crest. Six large wavy white petals with a deep blue haft.
Zama-No-Mori. White slightly shaded azure blue. A large, daintily colored single. Price of above, except where noted, each 50c; 3 for $1.25; 10 for $3.75.
Mixed Seedlings. Each, 50c; 3 for $1.00; 10 for $2.50; 100 for $20.00.

Special Offer No. 87D

One each of the above 10 named Japanese Irises for $4.00; 3 each for $8.00.

VARIOUS IRISES

Cristata (Crested Iris). Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden. 35c; 3 for 75c; 10 for $2.00.
Dorothy K. Williamson. 33 in. A rich velvety, royal purple flower of intense color. One of the finest beardless Irises. Plant in moist well-drained soil. 75c.
Pseudoacorus (Common Yellow Water Flag). 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 35c.
Pumila Hybrida. Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the German Iris. Suitable for rock gardens or borders.
Cyanea. Rich royal purple with black shading. Fragrant. 35c.
Dixmude. S. analine blue; F. rich crimson-purple. White throat veined purple. 50c.
Sibirica. One of the most valuable Iris groups. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting. Always ornamental.
Butterfly. 36 in. Lovely porcelain blue flowers; vigorous grower. 75c.
Emperor. 48 in. Large flowers of a deep, rich violet-blue. Very fine. 75c.
Perry's Blue. 48 in. Large, well formed flowers of a beautiful shade of sky-blue. One of the most popular and finest of Siberian Iris. 75c.
Orientalis. 24 in. Rich deep purple. Fine for naturalized plantings. 35c.
Snow Queen. 36 in. Large, ivory white with rich yellow blotch at the throat. 35c.

Special Offer No. 87E

One each of Emperor, Perry's Blue and Snow Queen for $1.50; 3 each for $3.00.

Versicolor (Common American Water Flag). 24 in. Showy violet-blue, remaining in bloom for a long time. Good for waterside plantings. 35c.

Complete List of Varieties with Prices Mailed Upon Request

Perennial Plant Collections

Vaughan's Collection of "New and Rare Varieties"

To popularize the newer and better varieties of Perennials not ussually found in the average garden, we offer this choice assortment much below our regular catalogue prices. Each collection contains twenty-five plants for the Perennial border (one of each variety) all carefully labeled. Lovers of fine Perennials will appreciate this opportunity of obtaining the newest and best varieties. We make a careful selection as we realize the collection builds business for us.

If these 25 plants were sold at our "single plant" catalog prices, they would cost over $12.00.

No. 2. VAUGHAN'S COLLECTION of "New and Rare Varieties," 25 choice plants, our selection of varieties, for **$7.50**

All Perennial Plant Collections are f. o. b. our Greenhouses, Western Springs, Ill. We advise shipment by Express.

"Shady Border" Collection

A valuable assortment of 25 hardy Perennials which thrive in partial to almost total shade. We send Aquilegias, Funkias, Lythrum, Monarda, Polemonium, Violas and other good varieties to brighten a shady spot, 12 different varieties in every collection, each carefully labeled.

No. 3. "SHADY BORDER" Perennial Collection **25** plants, our selection of varieties, for **$3.75.**

"Cut-Flower" Collection

Lovers of cut-flowers can depend on our careful selection in this collection of 25 Perennials for cut-flowers. We include Achillea, Aster, Delphinium, Pyrethrum, Shasty Daisy, Veronica and other good cut-flower varieties. All carefully labeled and at least 15 different varieties.

No. 4. "CUT-FLOWER" Perennial Collection, **25** plants, our selection of varieties, for **$4.00.**

"Surprise" Collection

A truly fascinating collection of carefully selected hardy plants all labeled. We include such well known favorites as Delphinium, Phlox, Aquilegia, Pyrethrum, and choice specimens of any good varieties in which we have surplus stocks. At least 15 different varieties in each "Surprise" collection. Our selection of varieties and all properly labeled.

No. 1 A. Vaughan's "Surprise" Perennial Collection. **25** hardy plants, our selection of varieties, for **$4.00.**

Rock Garden Collections

We use great care in assembling these Collections and send only plants suitable for rock gardens. Our selection of varieties, each one properly labeled.

No. 101. Rock Garden Collection. **1** each of **10** varieties for **$2.50.**

No. 102. Rock Garden Collection. **2** each of **12** varieties for **$5.00.**

LARGER COLLECTIONS. We are always glad to quote prices or furnish suggestions for the customer who is figuring on planting 50 or more Perennials. If the above collections do not fit your requirements write direct to Perennial Department, Vaughan's Greenhouses, Western Springs, Illinois, stating what Perennials you wish to order or the area to be planted, and whether they are to be planted in a sunny or shady location.

MISS LASSBERG

BRIDESMAID

RIVERTON JEWEL

RHEINLANDER

Vaughan's Hardy Phlox

(Phlox Decussata)

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted, they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our list contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

All Phlox supplied in one-year-old field roots except where noted.

Antonin Mercie. Very large lilac flower with a pure white center.
3 for 85c; doz., $2.50; 100, $15.00.

Baron Von Dedem. Brilliant orange-scarlet with carmine eye. Immense trusses and individual flowers.
3 for $1.00; doz., $3.50; 100, $20.00.

Beacon. A very fine brilliant bright cherry red.
3 for $1.00; doz., $3.50; 100, $20.00.

B. Comte. Rich satiny amaranth flowers.
3 for $1.00; doz., $3.50; 100, $20.00.

Bridesmaid. Pure white with large crimson-carmine eye.
3 for 85c; doz., $2.50; 100, $15.00.

Champs Elysees. Dark rose purple with very large trusses.
3 for $1.00; doz., $3.50; 100, $20.00.

Elizabeth Campbell. Light salmon-pink with lighter shadings and dark red eye; one of the handsomest and most attractive.
3 for $1.50; doz., $5.00; 100, $35.00.

Enchantress. An improved Elizabeth Campbell. Brighter, richer, salmon-pink.
3 for $1.25; doz., $4.00; 100, $25.00.

Feurbrandt. Fiery red, large florets. A choice new variety.
3 for $1.50; doz., $5.00; 100, $35.00.

Goliath. Bright light purple with a red eye. Strong and vigorous.
3 for $1.00; doz., $3.50; 100, $25.00.

Hindenburg. Conceded deepest red of all Phlox, large trusses and indiv dual flowers.
3 for $1.50; doz., $5.00; 100, $35.00.

Jules Sandeau. Dwarf; very large-flowering; watermelon pink. One of the finest.
3 for $1.50; doz., $5.00; 100, $35.00.

La Vague. Pure mauve with aniline-red eye.
3 for 85c; doz., $2.50; 100, $15.00.

Le Mahdi. Immense dark purple flowers, medium height. Has a tendency to bleach in strong sun.
3 for $1.50; doz., $5.00; 100, $35.00.

Lord Raleigh. The best dark lilac. Dwarf.
3 for $1.00; doz., $3.50; 100, $20.00.

Mia Ruys. Dwarf, pure white, very large trusses. One of the best dwarf varieties.
3 for $1.50; doz., $5.00; 100, $35.00.

Miss Von Lassberg. The purest snow-white in cultivation. Extra fine. Large open truss, ideal as cut flower.
3 for 85c; doz., $2.50; 100, $15.00.

Miss Lingard (Suffruticosa). Pure white; the earliest of all. Blooms all summer; good for cut flowers.
3 for 85c; doz., $2.50; 100, $15.00.

Mrs. Chas. Dorr. A tall, vigorous blue-mauve or lavender.
3 for 85c; doz , $2.50; 100, $15.00.

Mrs. Jenkins. A very free-flowering early variety of medium height producing immense panicles of pure white flowers.
3 for 85c; doz., $2.50; 100, $15.00.

Mrs. Milly Von Hoboken. Pure soft pink without eye, large flower on long erect stems.
3 for $1.50; doz., $5.00; 100, $35.00.

Obergartner Wittig Midseason. Enormous heads of large lilac-rose flowers with a lighter circle around a crimson eye. Quite branching and very free-flowering. Medium height.
3 for $1.50; doz., $5.00; 100, $35.00.

Prof. Virchow. Bright carmine overlaid with vivid orange-scarlet.
3 for $1.00; doz., $3.50; 100, $20.00.

Rheinlander. A rare shade of salmon-pink intensified by a distinct claret-red eye. Flowers and truss of unusual size.
3 for $1.00; doz., $3.50; 100, $20.00.

Rhynstrom. Beautiful rosy pink color not unlike that of Paul Neyron rose. A good strong grower and very free-flowering.
3 for $1.00; doz., $3.50; 100, $20.00.

Riverton Jewel. A lovely mauve-rose illuminated by a brilliant carmine-red eye.
3 for $1.00; doz., $3.50; 100, $20.00.

R. P. Struthers. Rosy carmine shaded orange-scarlet.
3 for $1.00; doz., $3.50; 100, $20.00.

Salmon Queen. A true, clear, salmon-pink of large size. One of the most vigorous and robust growers.
3 for $1.50; doz., $5.00; 100, $35.00.

Special French. Beautiful blush pink with a salmon eye. Enormous flowers and trusses similar to Hydrangeas. Strong, tall grower. One of the very best.
3 for $1.50; doz., $5.00; 100, $35.00.

Thor. A lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. A splendid variety. Late with tall vigorous growth.
3 for $1.25; doz., $4 00; 100, $25.00.

Von Hochberg. Brilliant blood-red. Large individual flowers.
3 for $1.50; doz., $5.00; 100, $35.00.

Widar. Violet-blue with a pure white eye. Fine large flowers. Rather dwarf.
3 for $1.00; doz., $3.50; 100, $20.00.

MIXED. 1 year field-grown plants of a choice mixture of colors. 3 for 65c; doz., $1.50; 100, $10.00. Named varieties. Our selection.
3 for 85c; doz., $2.50; 100, $15.00.

Collections

Special Offer: No. 88. One each of 10 varieties, our selection. All distinctly labeled for $3.00, prepaid.

Special Offer: No. 88A. One each of 6 varieties (six plants), our selection. Distinctly labeled for $1.90, postpaid.

Special Offer: No. 88B. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for $1.75, postpaid.

Dwarf and Alpine Phlox

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves and are quite distinct from other Phlox. Splendid rock garden plants.

—**Divaricata Canadensis.** One of our native species which is worthy of extensive planting, commencing to bloom early in April and continuing through May with large fragrant lavender flowers on stems 10 inches high. Prefer shade.
3 for 85c; doz., $2.50; 100, $15.00.

—**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May and June, height 4 in.
3 for 85c; doz., $2.50; 100, $15.00.

—**Subulata Lilacena.** Moss-like foliage of prostrate growth completely covered with pale lilac bloom in May and June.
3 for 85c; doz., $2.50; 100, $15.00.

—**Subulata Rosea.** Same as above, but with dainty pink flowers. This and Alba are fine for graves. 3 for 85c; doz., $2.50; 100, $15.00.

Peonies

Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient.

3-5 eye divisions.

Pink Varieties

Mad. Ducel, 75c each.
Mons. Jules Elie, $1.25 each.
President Taft, $1.25 each.
Princess Beatrice, 75c each.
Therese, $3.50 each.
Edulis Superba, 75c each.

White Varieties

Avalanche, $1.00 each.
Baroness Schroeder, $1.25 each.
Duchess de Nemours, 75c each.
Festiva Maxima, 75c each.
Francis Willard, $2.00 each.
La Rosiere, $1.00.
Mad de Verneville, 75c.

Red Varieties

Augustin d' Hour, $1.00.
Felix Crousse, $1.00.
Grover Cleveland, $1.50.
Karl Rosefield, $1.25.
Mary Brand, $2.00.
Officinalis Rubra Plena, $1.00.
Richard Carvel, $3.00.
Tenuifolia Flora Plena, $2.50.
If to be sent by mail, add 5c per root.

Un-named Sorts

Double White. Divided roots. Each, 50c.
Double Pink. Divided roots. Each, 50c.
Double Red. Divided roots. Each, 60c.

Vaughan's Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants** of the newer varieties and strong tubers of proper planting size as marked preceding the list of varieties. Pot plants we do not advise planting before **May 20th.** With good care and soil the pot plants make a good growth, brighter colored flowers and larger blooms, Please state if you want a substitute, should our supply of any variety become exhausted.

JANE COWL

Four Leading Decorative Dahlias

AMUN RA or THE SUN-GOD. This is one of the most sensational of the new Dahlias. It is distinct both in color and formation, and while a giant in size it is perfect in shape. The outer petals are of gorgeous copper and orange tones shading to gold and amber, deepening in the center to a dark reddish brown. The stems are stout and hold the immense flowers well above the strong, vigorous plants. The flowers keep for days when cut and last a wonderfully long time on the plant. **Price,** each, 75c. See page 90 for illustration.

JERSEY'S BEAUTY. A glorious flower of eosine pink—a color difficult to adequately describe. This Dahlia has been so well advertised by its extra good qualities that it really needs very little description. It is one of few outstanding varieties and has become most popular. The flowers are large and carried high above the foliage on long wiry stem: wonderful keeper when cut, therefore good as an exhibition variety or for commercial purposes. Awarded too many prizes and medals to enumerate. Should be in every garden. **Price,** each, 75c. See page 91 for illustration.

JUDGE MAREAN. A very large flower of perfect decorative shape. The colors changing as the flowers pass through different stages of development, are a combination of glowing salmon-pink, red, iridescent orange, yellow and gold, all blending most harmoniously. It is an early and continuous bloomer with long, perfect stems. **Price,** each, 75c.

MRS. IDE VER WARNER. One of the best known of recent introduction and it is truly a remarkable Dahlia. It is a refined mauve pink, beautifully formed, exquisite shade. Large blooms carried on long strong wiry stems, flowering early and continues to produce quantities of them until the end of season, attracting attention wherever grown or exhibited. Acknowledged by all Dahlia experts who have had the pleasure of growing it to be one of the finest Dahlias produced. **Price,** each, 75c.

SPECIAL OFFER No. 89. One each of the above four Dahlias in strong tubers postpaid to 4th zone for $2.50.

Outstanding Late Introductions Decorative Varieties

Offered only in Pot plants ready May 20th

AZTEC GLORY. (Decorative). It is a clear picric yellow with deep massive flowers of unusual and most artistic formation held on strong erect stems and when the blooms attain large size the flower has an added distinction in the curl of the end of the petal. Bush about 2½ feet high with glossy green foliage having somewhat the appearance of holly. **Price,** each, $2.50.

CARDINAL MUNDELEIN. Hybrid Decorative glowing cardinal red. Iridescent. Flowers very large on stems strong enough to hold the flower under all conditions. The petals are twisted giving the flower a distinct and refined appearance. The foliage is leathery and glossy making it remarkably resistant against insects and disease. Plants of medium height with laterals 4 feet long. **Price,** each, $2.50.

CITY OF TRENTON. (Decorative). An autumn colored Dahlia defying adequate description. The face of petals, a rich glowing tangerine; reverse, crushed strawberry red. The petals curl gracefully, giving a two toned effect and creating an impression of whirls or tongues of flame radiating from a full center. A large exhibition bloom which can be grown to 12 inch diameter without difficulty carried on top of cane-like stem. **Price,** each, $2.50.

FORT MONMOUTH. (Hybrid Cactus). The predominating color of this Dahlia is a rich crimson maroon with a hue of bluish violet at tips of petals. The flowers are well formed, full centered, of true hybrid cactus type and immense size. Free bloomer and foliage is dark green. Flowers frequently 13 inches diameter. A winner in several shows as "largest flower." **Price,** each, $3.75.

JANE COWL. (Decorative). Deep massive bloom of bronzy buff and old gold, blending darker towards the perfect center. Broad petals with just enough twist to add the refinement so often lacking in the largest Dahlias. A stem of unusual strength holds this giant decorative over a bush of ideal growth, while the foliage is the thick leathery kind that insects seldom bother. There is no question about it—Jane Cowl is the best Dahlia introduction in five years. **Price,** each, $3.75.

KATHLEEN NORRIS. (Decorative). Color a true Rose pink, later deepening to mallow pink but paler in the young central petals. A bloom of gigantic proportions, petals broad and overlapping with twisted ends, full, tight center. Foliage dark green and insect proof. A great bloomer and excellent keeper. A Dahlia that stands right up on the stem to be seen and admired. A splendid new addition to the show table. **Price,** each, $5.00.

Outstanding Late Introductions, Decorative Varieties—Continued

JERSEY'S MASTERPIECE. (Decorative). Large exhibition flower of soft Strawberry pink, suffused gold at base of florets. Excellently formed, and on stems of great strength. Thick leathery foliage which is very attractive. A valuable addition to the tribe of "Jersey's." **Price,** each, $2.50.

KEMP'S VIOLET WONDER. (Decorative). The best violet colored Dahlia to date. The predominating color is a rich Napthaline Violet with underlying tone of royal purple, lightening to bluish violet at tips of petals with deep lavender reverse. The strong vigorous growing plants produce blooms of massive size on fine strong stems. One of the big winners in the Eastern shows. **Price,** each, $3.75.

WACHUNG SUNRISE. (Decorative). An unusual Dahlia in color and form. Color is a golden amber with reverse of petals showing rose-pink. Each petal has a narrow clear margin of rose-pink. The flower is large and deep with the back petals curving almost to the stem. Rather a tall grower and the stems are exceptionally long and straight, carrying the flower in perfect position for garden and exhibition use. **Price,** each, $2.50.

New Decorative Varieties

AMARILLO GRANDE. A light yellow with broad petals and large flowers, in fact they are enormous and produced in abundance. A splendid new variety from California. **Price,** each, $2.00.

CHAMPAGNE. A warm autumn shade. Copper to golden. A good exhibition Dahlia having huge blooms on long, stiff stems. **Price,** each, $1.00.

CHARLES H. STRATTON. A splendid exhibition Dahlia, extra large, pale gold shaded and tipped with old rose. Every flower of this variety comes very large and has consistently won as the largest flower in the show. **Price,** each, $1.00.

CONCHITA. Silvery cerise-rose. The formation of this large deep flower is irregular enough to be charming. Stems are long and stiff holding the blooms well above the moderately tall plant. **Price,** each, $1.50.

EASTERN STAR. The color is a soft saffron-yellow with old gold shadings. Flowers of great substance and good keeping qualities with full centers, held on strong, erect stems. A strong, vigorous grower and free-flowering. **Price,** each, $2.00.

ELLINOR VANDERVEER. An incomparable Dahlia of exquisite beauty and great size, having every desirable quality. The large blooms are held aloft on long, leafless stems; in color a rich, glowing satiny rose-pink. The flowers are of great depth. An early bloomer and a fine cut-flower. **Price,** each, $1.00.

New Decorative Varieties—Continued

MARGARET WOODROW WILSON. An exhibition type of Decorative. Face of petals creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems dark green foliage. Medium height bush. A Dahlia for all who want beauty, size and stem. An unusually deep flower. **Price,** each, $1.25.

MARMION. This is one of the very largest Decoratives and as an exhibition Dahlia it has few equals. It is a pure golden yellow with a bronze suffusion on the reverse of the petals. The flowers are massive and have a great depth. The form enhances the beauty of the flowers as the florets are long and wavy and are produced very freely on long cane-like stems. The foliage is thick in texture, tending to make it resistant to the attacks of insects. **Price,** each, $2.50.

QUEEN OF THE GARDEN BEAUTIFUL. A flower that has filled the dream of Dahlia lovers. One of the largest of all Dahlias. Measures from nine to twelve inches across, grown without forcing. It is a gigantic lemon-colored decorative with stems that are unusually strong, the blooms are wonderful keepers. **Price,** each, $2.00.

ROMAN EAGLE. A flaming brilliant burnished copper color. Flowers held well above the dark green foliage on long stiff stems. Medium height and a profuse bloomer. **Price,** each, $1.00.

SANHICAN'S BLUEBIRD. The color is a most uncommon shade. The outer petals at maturity are bright violet-blue, while the center retains the violet tint, the nearest approach to a Blue Dahlia, the whole forming an uncommonly handsome flower. It is a bloom of gigantic proportions and perfect in form. Strong wire stems. It has proven a great success wherever grown. **Price,** each, $1.00.

SISKIYOU. Pink tinted mauve One of the very largest flowers ever originated. Usually winning the prize for the largest flower in the show. Stems are strong, holding the bloom perfectly erect. **Price,** each, $1.50.

TRENTONIAN. The color is that of an Indian skin, a wonderful blending of old gold, amber and coppery bronze, the whole forming a flower of marvellous brilliancy. The giant blooms are held erect on strong stems. **Price,** each, $1.50.

WIZARD OF OZ. Immense size on rigid stems. Amber pink shaded salmon. Strong vigorous, grower and free-bloomer. One of the best. **Price,** each, $1.00.

SPECIAL OFFER No. 89A. One each of the above 14 Dahlias in strong tubers, postpaid to 4th zone for $17.00

SPECIAL OFFER No. 89B. One each Chas. H. Stratton, Ellinor Vanderveer, Margaret Woodrow Wilson, Sanhican's Bluebird and Trentonian in strong tubers, postpaid to 4th zone for $5.00.

AMUN RA OR THE SUN-GOD (See Page 89)

DAHLIAS—Continued

Choice and New Varieties

The following list of Dahlias can only be supplied in **strong pot grown plants** ready **May 20th.**

All Decorative varieties except where noted.

BARBARA REDFERN. Color is a delightful blend of old rose and old gold, immense size and great depth, flowers borne on heavy stiff stems. A particularly free-bloomer, plants tall and vigorous. Especially good keeper when cut. **Price,** each, $1.50.

COUROUNE D'OR. Old gold with an old rose reverse, giving a most effective color combination, the old rose on the reverse shows through the varying shades of gold, and as the petals twist it reflects itself to the face of the flower in a most charming way. The flowers are very large and deep, perfectly double and carried on long stiff stems. Growth about average height, producing abundance of flowers throughout the season. **Price,** each, $1.50.

EAGLE ROCK BEAUTY. A more beautiful combination of pink and cream than is displayed in this glorious creation would be difficult to imagine. Vigorous in growth with good habit and stems which hold flowers erect. Immense blooms are full to center and produced in abundance. **Price,** each, $1.50.

EARL WILLIAMS. This is a giant-flowering dahlia attaining 12 inches in diameter, color brilliant scarlet and white variegated. **Price,** each, 75c.

EDNA FERBER. This is a splendid Hybrid Cactus. In color a glistening coral shading to old gold at the base of the florets. It is not a tall grower, yet is vigorous and the stems are good. It also has good heavy foliage which resists the attacks of insects. The flowers are large and it is a free-bloomer. **Price,** each, $2.00.

ELITE GLORY. A distinctive new Dahlia. One of the finest among the exhibition varieties. Produces giant flowers, thirteen inches and more in average soil. The blooms are a brilliant red borne on long, heavy stems. Is of a compact sturdy bush growth, and a good keeper as a cut-flower. **Price,** each, $1.25.

ELITE PEACH. Exhibition blooms of salmon-buff held above a vigorous growing bush on fine strong stems. Its exceptionally lovely coloring attracts immediate attention at exhibitions. **Price,** each, $1.25.

Choice and New Varieties—Continued

ELIZA CLARK BULL. Immense white Dahlia. One of the largest and deepest flowers of its class and thrives especially well in the very hot weather. Excellent stem, which carries the flower well above foliage. Free-bloomer on bushes of medium height. **Price,** each, $1.00.

JERSEY'S BEACON. The color is Chinese-scarlet with a paler reverse giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer and vigorous grower, and the stems are stiff enough to hold the large flowers erect. Has won the highest awards wherever shown, including most of the big Eastern shows. **Price,** each, 75c.

JERSEY'S MAMMOTH. Color a rich golden mahogany. The largest of the Jersey family, having frequently reached fourteen inches in diameter. It is a vigorous grower and not very subject to the ravages of insects, but should be watched carefully in the early stages of its growth. **Price,** each, $1.25.

JERSEY'S RADIANT. (H. C.) An exceptionally appropriate name; a radiant Dahlia of bittersweet orange, produced on long, stiff stems held well above the foliage. A fine exhibition variety. **Price,** each, $1.00.

LADY LYNDORA. The color combination of pink and white is charming. A free bloomer on a semi-dwarf bush. Has been a constant prize winner. **Price,** each, $2.00.

MRS. ELEANOR MARTIN. This is a California variety of exceptional merit. The coloring is unique different from all others. A beautiful mulberry with golden suffusion. The form is of best exhibition type. Very large flowers can be grown to ten inches in diameter on stiff long stems. **Price,** each, $1.00.

PAPILLON. (H. C.) A highly rated cactus Dahlia. It is of beautiful formation and coloring, being a blend of old rose and gold. **Price,** each, 75c.

POP STEWART. This is a remarkable flower of great size. Flowers when opening appear rosy pink but, as it matures, the flower undergoes a complete transformation, toning out into shade of the purest lilac-pink. It is a wonderful grower with splendid stem. **Price,** each, 75c.

PROFUSION. (H. C.) One of the very best, pure white Hybrid Cactus, of largest size: fine form; a profuse bloomer on good stiff stems. A splendid garden and, when disbudded, exhibition variety. **Price,** each, 75c.

Choice and New Varieties—Continued

ROBERT TREAT. A brilliant American Beauty rose shade. A strong vigorous grower, free-bloomer. Beautiful form and large size. **Price,** each, 75c.

SAGAMORE. An exceptionally fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff and wonderful keeping qualities when cut make this flower most desirable. **Price,** each, 75c.

THE LEMONADE. Clear lemon-yellow, stiff upright stems, good habit of growth and an excellent keeper when cut. This Dahlia has attracted a great deal of attention in the field and show room on account of its large size and wondrous beauty **Price,** each, $2.00.

WANDA MILLER. Color is a deep purple with white tips, never sporting to solid color. Medium sized flowers held erect on strong stems. **Price,** each, $1.00.

SPECIAL OFFER No. 90. One each of the above 20 Dahlias in strong pot grown plants. Ready May 20th. Postpaid to 4th zone for $18.50.

Standard Decorative Varieties

AGNES HAVILAND. A variety of very large size and perfect form; color a pleasing rosy mauve-pink. **Price,** each, 75c.

ALEX WALDIE. Large flowers of a creamy color overlaid with a delicate salmon-pink. The blooms held well above the foliage. **Price,** each, 50c.

AL KORAN. Rich amber yellow blooms with wavy petals which make them very attractive. **Price,** each, 75c.

BASHFUL GIANT. Apricot with golden shadings. One of the largest Dahlias produced, excellent for exhibition purpose. Flowers produced on strong stems. **Price,** each, 75c.

CATHERINE WILCOX. White, points of petals, tipped cerise. **Price,** each, 75c.

CHARM. Burnt orange, shading to yellow; strong stems, free-flowering and a good keeper. **Price,** each, 75c.

INSULINDE. The finest Dahli of distinct form with petals twisted and curled. Stems are 2 to 3 feet long and flowers 9 to 10 inches across. Color, rich saffron-yellow, shaded russet-orange. **Price,** each, 75c.

JACK ROSE. Bright carmine-red over-laid violet, resembling the color of the rose of the same name. A splendid variety. **Price,** each, 35c.

JESSIE K. PRESCOTT. A deep orange at the center, gradually shading to a creamy orange on the rows of outer petals. Stems, habit and freedom of bloom perfect. **Price,** each, 75c.

KITTY DUNLAP. A pleasing shade of carmine-rose similar to the American Beauty shade. Has broad petals that roll slightly. A good keeper. **Price,** each 50c.

MINA BURGLE. Flowers of gigantic size. A most glowing brilliant scarlet. **Price,** each, 35c.

MR. CROWLEY. A plant of dwarf habit having blooms of a glowing salmon-pink with yellow at the base of the petals. **Price,** each, 75c.

MRS. CARL SALSBACK. A strong, vigorous grower, color a lively shade of solferino-pink with white suffusion which intensifies its color. **Price,** each, 50c.

MRS. H. C. DRESSELHUYS. A new Dahlia of soft pink overlaid with white. Similar in color to the popular Delice, but a much more prolific bloomer. One of the best pinks for cut-flowers. **Price,** each, 50c.

PATRICK O'MARA. The color is an unusually soft and pleasing shade of orange-buff slightly tinged with beautiful deep rose-color. **Price,** each, 50c.

ROSA NELL. It is not possible to find a better Dahlia of its color. The flowers are large, of best decorative formations; they are borne on long stiff stems; in good shape to the end of the season. It is of the brightest rose. A flower that always attracts attention. **Price,** each, 75c.

SNOWDRIFT. One of the best white decoratives we have seen. A very deep built flower with broad, waxy pure white petals. The blooms open quickly, remaining perfect for a week. Fine for exhibition. **Price,** each, 50c.

SYLVIA. White, shading to soft pink on the outer petals. **Price,** each, 35c.

THE GRIZZLY. Gives large, finely formed flowers on good stems. In color a rich crimson shaded maroon. **Price,** each, 75c.

THE MILLIONAIRE. Very large regular decorative form. Lavender-pink tinting to white at center. **Price,** each, 50c.

SPECIAL OFFER No. 90A. One each of the above 20 Dahlias in strong tubers, postpaid to 4th zone, for $10.00.

SPECIAL OFFER No. 90B. One each of the following: Catherine Wilcox, Charm, Jack Rose, Mina Burgle, Mrs. Carl Salsback, Patrick O'Mara and The Millionaire, in strong tubers, postpaid to the 4th zone, for $4.00.

DAHLIAS—Continued

Cactus and Hybrid Cactus Recent Introduction

ALICE WHITTIER. (H, C.) This splendid variety is a very delicate shade of primrose-yellow. The flowers are immense in size for a Cactus with good strong stems. Winner of the President's cup at the Boston Dahlia Show. **Price,** each, $1.50.

AMBASSADOR. (H. C.) The sensation Dahlia since its introduction. Its color is a soft yellow at the center with salmon, amber and pink shadings, gradually deepening toward the tips and outer floral rays. The flowers are of largest size and set on perfect stems. A strong grower and free-bloomer from early till late. **Price,** each, $1.00.

CIGARETTE. (H. C.) In color it is creamy white, heavily edged with pomegranate-red, but it varies greatly, no two flowers being exactly alike. The petals are long and inclined to roll, forming a large, deep, well-shaped flower of great substance on very long stems of best quality. **Price,** each, $1.00.

ELITE GEM. A true American Cactus of fine form. Free-blooming on strong stiff stems. Color spinal pink blush on primuline yellow at base; reverse of petals, rosaline purple exceedingly attractive. **Price** each, $2.00.

ELSIE DANIELS. (H. C.) Extremely full center of creamy white shading to a lilac-pink on outer row of petals. The low-growing bushes are wonderful producers of large flowers on straight stiff stems. An especially fine type of exhibition Hybrid Cactus. **Price,** each, $1.50.

KING SOLOMON. (H. C.) Orange-buff in color with an iridescent sheen on its twirled petals. It is a compact low-grower, and the stems are very stiff. A free-bloomer and makes a good bedder, as it does not require staking. **Price,** each, $1.50.

SUN MAID. Color is a beautiful soft blending of orange and gold. The flowers have great depth and are held erect on strong, stiff stems. This immense Dahlia has been awarded many first prizes in California. **Price,** each, $1.50.

SPECIAL OFFER No. 91. One each of the above seven Dahlias in strong tubers, postpaid to 4th zone, for $8.00.

Choice and Standard Cactus

ATTRACTION. Large, elegant flower of a clear lilac-rose, borne on long stiff stems and a Dahlia of exceptional merit. A true peony-cactus type. **Price,** each, 75c.

AURORA. Delicate reddish apricot, suffused with pink, shading lighter towards the tips of the petals. **Price,** each, 35c.

BALLET GIRL. Very large cactus, with long finely quilled petals. Color orange tipped white; some flowers solid orange on same plant. **Price,** each, 75c.

COUNTESS OF LONSDALE. A delicate apricot shading towards the edges of the petals to carmine-pink. Early and one of the very best. **Price,** each, 35c.

ESTHER HOLMES. A deep lavender-pink. One of the best of the hybrids for cut flowers. Blooms freely, produced on long, stiff stems. **Price,** each, 75c.

F. W. FELLOWS. Flowers of immense size composed of numerous long, narrow incurved petals of a lively orange-scarlet. **Price,** each, 75c.

GLADYS BATES. Very large perfect flowers, with incurved petals of a golden salmon, the reverse of the petals being rose, the two colors giving the effect of a golden old rose. It is an early free and continuous bloomer with good stems. **Price,** each, 50c.

J. K. ALEXANDER. A deep lavender-pink. **Price,** each, 50c.

J. H. JACKSON. A perfect gorgeous deep, velvety, blackish maroon. Gigantic in size. Every Dahlia lover should grow this variety. **Price,** each, 35c.

J. W. LEE. Yellow suffused scarlet. One of the best from the Pacific Coast. Large size; a free-bloomer and strong grower with strong stem. **Price,** each, 75c.

MRS. ETHEL F. T. SMITH. Creamy white shading to a lemon tint at the center. Immense flowers produced freely on long, stiff stems. **Price,** each, 75c.

MRS. HENRY R. WIRTH. A splendid companion to Countess of Lonsdale, having all the qualities of the former. In color a rich glowing intense scarlet. Price, each, 35c.

NIBELUNGENHORT. A giant plant producing giant blooms of a rich golden apricot suffused with old rose. It is a good exhibition variety and does well everywhere. **Price,** each, 50c.

WASHINGTON CITY. Snow-white, of beautiful form and borne on long stems. Very large flowers. **Price,** each, 50c.

SPECIAL OFFER No. 91A. One each of the above 14 Dahlias in strong tubers, postpaid to 4th zone, $6.50.

JERSEY BEAUTY—Decorative

Show Fancy Dahlias

The following can be supplied in tubers only:

A. D. LIVONI. A beautiful soft pink flower with quilled petals. **Price,** each, 35c.

ANNA REHORST. A deep shade of purple. Strong stem. **Price,** each, 50c.

DREER'S WHITE. Glistening white, resembling in form Grand Duke Alexis; free-flowering. **Price,** each, 35c.

DREER'S YELLOW. Large, clear yellow with quilled petals and strong stem. **Price,** each, 35c.

ELSIE BURGESS. Lavender-pink, of good size and form. A general favorite. **Price,** each, 35c.

GOLD MEDAL. A Dahlia with autumn coloring, deep yellow, regularly striped dark crimson. A striking flower. **Price,** each, 50c.

MAUDE ADAMS. The color is a pure snowy white, very effectively overlaid clear delicate pink. **Price,** each, 35c.

MISS HELEN HOLLIS. Large, bright red, with quilled petals; always full at the center. One of the best. **Price,** each, 35c.

MRS. C. D. ANDERSON. Color, rich clear purple. Flowers large and almost round in form, stems long and wiry. **Price,** each, 50c.

SPECIAL OFFER No. 91B. One each of the above nine Dahlias in strong tubers, postpaid to 4th zone, for$3.00.

Peony-Flowered Dahlias

The following can be supplied in tubers only:

AVALANCHE. A splendid pure white. An early and free bloomer.

JAN OLIESLAGERS. Deep primrose-yellow; very large and free-flowering.

QUEEN WILHELMINA. This is a splendid variety of this new type with immense pure white flowers, with yellow center.

TYRREL AUSTIN. Outer petals a rich carmine-red, inner petals beautifully blended and veined carmine ,shades of yellow and pink.

Price: Any of the above Dahlias, each, 50c.

SPECIAL OFFER No. 91C. One each of the above four Dahlias in strong tubers, postpaid to 4th zone, for $1.75.

Pompon Dahlias

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

The following can be supplied in tubers only:

BACCHUS. Bright scarlet. **Price,** each, 35c.

CARDINAL. Cardinal-red. **Price,** each, 50c.

CLARA HARSH. Yellow tipped crimson. **Price,** each, 50c.

EUREKA. Yellow shading to bronze. **Price,** each, 35c.

GRETCHEN HEINES. Rose tinted white, each petal heavily tipped crimson-carmine. **Price,** each, 50c.

Pompon Dahlias—Continued

LASSIE. Yellow base, shading to carmine at tips. Price, each, 50c.

LITTLE HERMAN. Deep red, tipped white; very free. **Price,** each, 35c.

LITTLE IRENE. Light yellow. **Price,** each, 35c.

NELLIE FRAZER. Light ground tipped rose. **Price,** each, 50c.

PHOEBE. Deep yellow shaded orange. **Price,** each, 35c.

SNOWCLAD. The best pure white pompon. **Price,** each, 35c.

SUNSET. Brilliant orange scarlet. **Price,** each, 50c.

YELLOW GEM. A perfect neat, bright yellow. **Price,** each, 50c.

SPECIAL OFFER No. 91D. One each of the above 13 Dahlias in strong tubers, postpaid to 4th zone, for $5.00.

SPECIAL OFFER No. 91E. One each Baachus, Eureka, Little Herman and Snowlad in strong tubers, postpaid to 4th zone, for $1.00.

Century Dahlias

This giant-flowering type of single Dahlias are now very popular both for garden decoration and for cutting.

The following can be supplied in tubers only:

GOLDEN CENTURY. A rich golden yellow suffused with amber.

MAROON CENTURY. Beautiful rich maroon, large yellow center. Erect, free-flowering.

PINK CENTURY. Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

SCARLET CENTURY. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

WHITE CENTURY. A profuse bloomer and a strong grower.

Price: Any of the above Dahlias, each, 35c.

SPECIAL OFFER No. 91F. One each of the above 5 Dahlias in strong tubers, postpaid to 4th zone, for $1.50.

SPECIAL OFFER No. 91G. Early Flowering Varieties. Countess of Lonsdale, Catherine Wilcox, Charm, Margaret Woodrow Wilson, Judge Marean and Mrs Ide ver Warner in strong tubers, postpaid to 4th zone, for $4.50.

UN-NAMED DOUBLE DAHLIAS. Undivided field clumps in white, pink, yellow, red or variegated, good sorts. Price, each, 35c; doz., $3.00, by express.

MIXED SINGLE AND DOUBLE DAHLIAS. Undivided field roots. Price, each, 25c; doz., $2.50, by express.

DAHLIA TUBERS. In white, pink, yellow, red or variegated. Price each, 15c; doz., $1.50, postpaid

PAUL NEYRON

Garden Roses

FOR Spring planting we have found potted rose bushes give the best results. The plants you receive are in full leaf; possibly budded with the roots growing naturally in a ball of soil. All you need to do is to plant them in well prepared rose soil about 6 inches deeper than they were in the pot and water very thoroughly. Most varieties will bloom within a month from the time you plant them and continue throughout the season.

Properly cared for you may be sure that every plant will live and give results.

Our roses are in 5 or 6 inch pots, from 2 to 3 feet tall, with 2 to 5 canes depending on the variety.

Potted plants are not ready for shipment until after May 15.

All orders are handled and packed by experienced hands. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located.

Ask for our pamphlet, "How to be Successful With Roses."

Hybrid Tea Roses

This class has resulted from crossing the Hardy Perpetuals with the Tea-scented varieties and possesses the hardiness of the first with the free-blooming habit and fragrance of the latter. All have long-pointed buds borne on strong stems which make them valuable as cut-flowers.

COLUMBIA. A true pink, deepening as it opens to a glowing pink. A peculiarity of the variety is that the shades all become more intense until fully open. Strong grower, sending up numerous stiff stems of good length with fine foliage free from mildew.

(Illustrated on 3rd cover page.)

GENERAL MAC ARTHUR. Rich crimson-scarlet, well-shaped flowers and very fragrant. Good disease resistant bedding rose.

(Illustrated on 3rd cover page.)

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time.

(Illustrated on 3rd cover page.)

KILLARNEY DOUBLE WHITE. A pure white sport of the famous and popular Killarney rose, identical in every way with its parent excepting in color.

(Illustrated on 3rd cover page.)

LADY HILLINGDON. A beautiful coppery shade of apricot-yellow. A strong, vigorous grower and very free-flowering.

LOS ANGELES. Color pale pink and coral shaded with gold, large, very fragrant. Vigorous grower.

MME. BUTTERFLY. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. A free-grower and bloomer with large, handsome foliage free from mildew.

OPHELIA. A delicate tint of salmon-flesh shaded with rose. The flowers are held erect well above the foliage and in great profusion all summer.

(Illustrated on 3rd cover page.)

PREMIER. Rich deep rose-pink, double, nearly thornless. A robust grower, blooming all season.

(Illustrated on 3rd cover page.)

RADIANCE. Brilliant rosy carmine shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

(Illustrated on 3rd cover page.)

RED RADIANCE. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting.

SOUVENIR DE CLAUDIUS PERNET. Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green. It was awarded the Gold Medal at the Bagatelle Garden trials in 1920 and in the same year also received the Gold Medals at the Rose Show in Paris and at Antwerp.

(Illustrated on 3rd cover page.)

SUNBURST. The color is intense orange-copper and golden yellow. Buds, long and pointed, opening full and double.

Prices on the above Hybrid Teas:

No. 1, $1.00 each; doz., $10.00; 100, $75.00.

All roses shipped by express, collect.

SPECIAL OFFER NO. 92. Any 12 of the above for $10.00.

SPECIAL OFFER NO. 92A. Any 6 of the above for $5.00.

New Hybrid Tea Introductions

This class commonly known as monthly roses, blossom continuously. In severe winter climate they need complete protection. All plants of novelties are No. 1 grade; 2-year.

TALISMAN (Montgomery Co., 1929). New this season, awarded many Gold Medals. Famous for its unique and wonderful coloring; shades of deep gold, apricot yellow and deep pink indescribably blended in a rose of perfect shape and splendid fragrance. A wonderful combination of shadings of gold, apricot, yellow and deep pink or old-rose. The outside of the petals is bright yellow, gold, and pink; as the flower develops and the petals unfold they become bright apricot, gold, deep rose-pink or old-rose, and unlike most Roses the color becomes brighter as the flowers develop. The bud is long, perfectly formed, averaging about 25 to 28 petals, the plant is a strong, vigorous grower with glossy green foliage and free flowering. $2.50 each.

(Illustrated on 3rd cover page.)

EDITH NELLIE PERKINS. (Alex. Dickson & Sons, 1928.) New this season. A Rose entirely distinct in its coloring and of such strong, robust growth that it should succeed anywhere and produce an abundance of its pretty colored flowers. The buds are long and pointed, the outside of the petals are of cream and blush shaded with orange at the base; the inner face is salmon-pink with golden orange base, the flowers are moderately double, produced on long stems and sweetly scented. $2.25 each.

MRS. ERSKINE PEMBROKE THOM. The many favorable reports which we have received from customers who have planted this variety during the past two years, convinces us that it is the best yellow garden variety yet introduced. It is of clean, vigorous, healthy, bushy habit of growth; almost equal in strength to that best-of-all bedding Rose, Radiance; with ample dark bronzy-green, disease-resisting foliage. The medium-sized buds are long and shapely and develop into fair-sized flowers that are full double, of good form, of a rich lemon-yellow and sweetly-scented. Very free-flowering throughout the season and particularly good in the fall. $1.50 each.

(Illustrated on 3rd cover page.)

MARGARET McGREDY (McGredy & Son, 1928). This is the third season that we have had this wonderful Rose under observation and we consider it one of McGredy's most brilliantly colored masterpieces, large, beautifully shaped full double flowers, entirely distinct from all others in its rich coloring, which is a brilliant shade of Turkish or Oriental-red, passing as the flowers age to a beautiful carmine-rose, these are borne on long stiff stems and hold their form and beauty for a long time. $2.00 each.

MRS. A. R. BARRACLOUGH (McGredy & Son, 1927). Unquestionably one of the finest Roses ever sent out and winner of a Gold Medal of the National Rose Society of England. In this new variety we have a most distinct and valuable addition of a bright but soft sparkling carmine-pink of an even tone passing to yellow at the base of the petals. The color does not fade as the flower ages, but appears to become brighter. The bud is long and perfect and develops into a full double flower of great size and substance; very fragrant. $2.00 each.

(Illustrated on 3rd cover page.)

MRS. LOVELL SWISHER (Howard & Smith, 1926). An American raised Rose which has come to stay. It is a remarkably vigorous grower, freely producing perfectly formed, long shapely buds with nicely reflexing petals that develop into good double flowers. The color of the buds is a delicate cream pink at base merging to salmon-pink at the tips. The developed flowers are also salmon-pink deepening toward the center. Delightfully tea-scented. $1.50 each.

(Illustrated on 3rd cover page.)

PATIENCE. One of the finest Roses of the past season's introduction. Its splendid long pointed buds are of a deep scarlet-carmine opening to large fragrant double perfect blooms that shade from orange at the base of the petals to rich carmine at the edges. It is of strong robust habit with glossy holly-like foliage and exceptionally free-flowering for a rose of its large size. $2.00 each.

Hardy Hybrid Perpetual Roses

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure or leaves is very advantageous, and necessary near and north of Chicago.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungi will be found beneficial. They thrive best with application of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time. Roses in general do not like to be near trees and shrubs so are grown by themselves.

ANNA DE DIESBACH (GLOIRE DE PARIS). Brilliant carmine flowers, very full double and delightfully sweet. A vigorous grower and fine bloomer. One of the hardiest of the well-known, desirable roses.

FRAU KARL DRUSCHKI (WHITE AMERICAN BEAUTY). Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

GEORGE ARENDS. Pointed buds and blooms of pure soft pink, delicately perfumed. Very vigorous grower with good foliage.

GRUSS AN TEPLITZ. HT. Rich scarlet, shading to a velvety crimson; very fragrant; a free, strong grower, in bloom all the time. This rose should be in every garden, as it succeeds under the most ordinary conditions.

J. B. CLARK. Robust in growth, with clean heavy foliage. Flowers are large, deep scarlet, overlaid crimson.

MRS. JOHN LAING. Very free-flowering, commencing to bloom early in the season and continues to bloom profusely until late autumn. A soft delicate pink with a satiny sheen; very fragrant, fully double.

PAUL NEYRON. This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant; very floriferous.

PERSIAN YELLOW (AUSTRIAN BRIAR). The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs.

ULRICH BRUNNER. A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

Prices on Hardy Perpetual Roses:

Each, $1.00; doz., $10.00; 100, $75.00.

All roses shipped by express, collect.

SPECIAL OFFER NO. 92B. One each of any 6 varieties of the above roses: $5.00.

Aquatics (Water Plants)

We have issued a special leaflet giving prices and cultural instructions. Ask for it.

Bush and Climbers

Hardy Climbing Roses

Climbing roses have been constantly in demand, for vines are needed to decorate every home and when such also produce roses, the pleasure is magnified many fold. They are used as screen planting and in borders or for beautifying the unsightly; for ornamenting terraces, banks, rockeries, old stumps or boundary fences; and for covering archways, arbors, pergolas and summer-houses.

AMERICAN PILLAR. Very large, handsome flowers of light bright crimson, with a clear white eye surrounding numerous golden yellow stamens. These flowers fade to an agreeable light pink and are in great clusters.

CLIMBING AMERICAN BEAUTY. A free-climber. Rosy crimson flowers, 3-4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.

CLIMBING BABY RAMBLER. Scarlet flowers in clusters, dark foliage. A reliable and effective variety.

CRIMSON RAMBLER. Scarlet red flowers borne in sprays. Vigorous grower. One of the best for covering a trellis, porch or unsightly fence.

DOROTHY PERKINS. Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower, attaining a length of 20 feet in one season.

DR. W. VAN FLEET. The delicate flesh-pink flowers are full and double, open to an immense diameter; sweetly perfumed; beautiful bronze green foliage.

EUGENE JACQUET. The earliest and most profuse flowering of all the climbers. Fragrant cherry-red flowers in great profusion; handsome dark green mildew-resisting foliage.

EXCELSA. Flowers very double, produced in large trusses, thirty to forty on a stem; intense crimson maroon. Vigorous.

FLOWER OF FAIRFIELD. Its flowers, produced in profusion, are of a fine crimson color, more lasting and brilliant than the common Crimson Rambler.

> Sioux City, Iowa, May 14, 1929
>
> Vaughan's Seed Store, Chicago, Ill.
>
> Gentlemen:—
>
> I wish to acknowledge receipt of Roses and "Mums" and am very much pleased with the plants and have never received such fine plants, nor have I ever received plants in better condition.
>
> Yours very truly,
> F. W. HOOD,
> 410 Victoria Court

GARDENIA. Buds yellow, creamy-white flowers with yellow centers. Vigorous grower and very hardy.

HIAWATHA. A dazzling red. Small single flowers with white eye in large clusters. Free blooming, very hardy and of vigorous growth.

MARY WALLACE. Pillar rose type. Makes a fine, strong, self-supporting rose 5 to 8 feet high with large, glossy foliage. Blooming with great freedom in spring and bears a considerable number of fine buds in summer and fall. Flowers well formed, semi-double, bright, clear rose-pink with salmon base to the petals. Largest in size of any Wichuriana Hybrids. Generally exceeding 4 inches in diameter.

PAUL'S SCARLET CLIMBER. A most important addition to the Climbing Roses; no other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy. Usually blooms again in the fall.

ROSERIE. This splendid new rose is derived as a sport from Tausendschoen, its flowers are a deep glowing pink.

SILVER MOON. Large creamy buds, produced in small sprays. Plant vigorous, growing 15 to 20 feet in a season. A great cover.

Prices of above Hardy Climbing Roses: From 5-inch pots, each, $1.00; doz., $10.00; 100, $75.00.

CLIMBING AMERICAN BEAUTY

SPECIAL OFFER NO. 103. Any 12 of the above Hardy Climbing Roses for $10.00.

SPECIAL OFFER NO. 103A. Any 6 of the above Hardy Climbing Roses for $5.00. **All roses shipped by express, collect.**

Dwarf Polyantha Roses

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border or bed.

BABY TAUSENDSCHOEN. Dwarf Polyantha with its bountiful bouquets of creamy white saucer-shaped flowers. Every petal edged with rosy pink.

CRIMSON BABY RAMBLER. Still a favorite. Flowers in clusters of 30 to 40; the foliage dark and glossy. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

MISS EDITH CAVELL. Brilliant scarlet-red with darker shadings. One of the most desirable deep colored varieties.

ERNA TESCHENDORFF. The color of the flower is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double, and are produced in constant succession throughout the whole season. It is free from mildew.

IDEAL. An intense rich lustrous garnet. The flowers are not large but are produced in very large trusses and are very effective.

ORLEANS. Brilliant geranium-red, suffused rose and deep cerise. Bushy habit; grows and blooms freely; florets not crowded, but of beautiful arrangement and most lasting quality with their stiff, paper-like texture.

Price of the above roses, from 5-inch pots, each $1.00; doz., $10.00; 100, $75.00.

All roses shipped by express, collect.

Vaughan's Vigor Strawberry Plants

Our plants are grown under ideal conditions in Michigan. They have been developed from selected plants. We know you will be pleased. Varieties below are up to date.

Write for pamphlet on Strawberry Culture.

All varieties listed are perfect sorts, are self-pollinizing and will bear as well if set by themselves.

AROMA. Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality. Its rich aromatic flavor has suggested its name.

DR. BURRELL. Mid-season. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red. The meat is solid. If you are looking for a good dependable all-purpose variety you will make no mistake in planting Dr. Burrell. In manner of plant growth this variety closely resembles Senator Dunlap, but will produce more, bigger, and better berries and ripening as it does a few days earlier than Dunlap.

COOPER. Mid-season. The large size and the beautiful brilliant color of the berries immediately attracts the attention of every one, but the greatest feature of all is that peculiar mild, delicious flavor not found in any other Strawberry. Due to the wonderful vigor of the plant this variety is adaptable to a wider range of soils and climate than any other variety. The foliage is immense. The big broad leaves often growing a foot high. Cooper is strongly staminate and can be grown alone and is an ideal mate of any of the pistil ate or imperfect varieties due to the long blooming season.

GIBSON. Medium early. Berries are large and regular in shape holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive, in fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong, vigorous plant that withstands adverse conditions admirably. This variety seems to embody every requirement necessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resister, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

SENATOR DUNLAP. Mid-season. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as with the veteran grower—but it should not be allowed to mat too thickly. For a medium sized productive early to mid-season berry you need not hesitate to plant Dunlap.

Price, on the above varieties, postpaid up to the 4th zone, 25 for 60c; 100 plants for $1.75. Postpaid from 4th zone to 8th zone, 25 for 70c; 100 for $2.00. By express, at buyer's expense, 100 for $1.75; 500 for $6.50; 1,000 for $12.00. Write for prices on larger lots.

SPECIAL OFFER No. 93D. A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for $1.50.

Three Leading Everbearing Varieties

CHAMPION. A strong, healthy, deep-rooted plant, very productive. Fruit similar to Dunlap in size, shape and color. A beautiful rich red color clear through, good quality and delicious flavor. In addition to the wonderful fall crop produced by the Champion they are the earliest to ripen in the spring.

PROGRESSIVE. Has long been the leading everbearing variety. It now has to take second place as the new Champion is superior in every respect. The Progressive is a tall, healthy grower, deep-rooted and entirely free from fungus diseases. Very productive, berries medium size, good quality and delicious flavor.

Price of above two varieties, 25 for $1.00, 50 for $1.65, 100 for $2.75, postpaid to 4th zone; 250 for $5.00; 500 for $8.00; 1000 for $16.00, by express.

MASTODON. The world's greatest everbearer because nothing like it was ever achieved before, producing nearly 6000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list. Unlike other everbearers, the plants of Mastodon are large, vigorous, heavily crowned and deep rooted.

Price, 25 for $1.50, 50 for $2.75, 100 for $4.00, postpaid to 4th zone; 250 for $8.00, 500 for $15.00, 1000 for $27.50, by express.

Garden Chrysanthemums

LARGE-FLOWERED

Outdoor Type

As illustrated above.

Chrysanthemums that would flower successfully in the open garden have been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow 2 to 4 feet high, in any good garden soil. Sturdy pot grown plants F. O. B. our Greenhouses, Western Springs, Illinois, except Special Offer Numbers 94 and 94A, which are prepaid. We recommend parcels post shipment; shipping weight, 6 ounces each plant.

Price, each, 25c; doz., $2.00; per 100, $10.00.

CHRYSANTHEMUMS fill an important place in the garden program. They blossom in the late fall, after most of the other flowers have gone, and upon them we must depend for the final weeks of the garden season. We offer those varieties that have proven the best.

The hardy types can be carrried over even in severe winters, if they are given protection. None should be grown in sections where zero temperature is frequent, unless protected through the winter. A heavy mulch of leaves is the best protection, put on after the ground is frozen.

It is possible for excellent specimens of the indoor type to be grown by the amateur. They blossom before severe weather arrives and a sun-porch ussually gives sufficient protection.

Write for our list of suitable varieties.

Large-Flowered Outdoor Type—Continued

A. BARHAM. A beautiful orange-bronze; the first variety of this color to come into flower. Shows up well under light when used as a decoration.

CARRIE. Flowering the end of August. Yellow and in cluster form.

CHALDON. Reddish crimson with gold tips. Large flower.

CRANFORDIA. Color deep bronzy yellow. In this variety we have an early-flowering 'Mum that covers every possible point; perfect in flower and stem; foliage up to the flower, and every plant will carry twelve to twenty beautifully finished blooms.

CRANFORDIA PINK. Beautiful shade of rose-pink. Growth and habit same as Cranfordia.

CRANFORDIA WHITE. Creamy white; very desirable variety; free-flowering.

EDEN. Bright rose. A beauty when disbudded.

FIREFLY. A reddish bronze; flowers very early and continues until late frosts arrive.

LE PACTOLE. Bronzy yellow, large flower; heavy foliage and strong grower. Disbud slightly.

MAY ELLEN. Cerise-pink with yellow anemone center. Flowers September 15.

PINK HARBINGER. Rose-pink. Large flower.

WOLVERINE. Very early, flowering outdoors with Carrie in this locality about August 20. Produces large sprays; color, bright yellow.

SPECIAL OFFER No. 94. Set of above 12 Large-Flowered (Outdoor Type) plants for $1.85, prepaid.

SMALL-FLOWERED

Outdoor Varieties

The following varieties are a cross between French sorts and the Hardy English varieties and have gained popularity in this country in recent years, because with slight protection they will withstand our severe winters.

Price, each, 25c; doz., $2.00; 100, $10.00.

BIJOU ROSE. Beautiful rose; free-flowering; dwarf growing.

BOSTON. Dwarf; golden bronze. Very free-flowering.

CARPET OF SNOW. White with cream center. Medium dwarf, very free-flowering and the best early white.

CHARLOTTE. Deep bronze. Date of maturity Oct. 5th.

FRANCIS HUCKVALE. White tinted pink cream center, early-flowering and very free-bloomer.

HARVEST HOME. Deep bronzy yellow.

IDOLF. Early and prolific, usually blooming the first week of October. Color Salmon-pink.

KATE MANNING. Yellow bronze; very early.

MURILLO. This variety has survived the past three winters without protection. While not as early as some it is the best shade of pink among the early hardies.

WINNETKA. Pure white; very free-flowering.

YELLOW NORMANDIE. A bronzy yellow sport from Normandie of beautiful color and very desirable where early flowers are required.

ZODA. Rose-pink; early.

SPECIAL OFFER No. 94A. The set of above 12 Pompons for $1.80 prepaid.

Vaughan's Cannas

The Four Leaders

***King Humbert.** 4 feet. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past twelve years. A cross between the orchid-flowering and the French or Crozy type, combining the large flowers of one with the free-blooming character of the other, and the handsome broad, tropical foliage.

***Yellow King Humbert** 4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. An orchid flowering sport of the well-known variety King Humbert

All Canna plants F. O. B. our Greenhouses, Western Springs, Illinois. We recommend shipment by express of four or more plants.

Hungaria 3½ feet. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth. Three-inch pot plants, each, 35c; doz., $3.25; 100, $20.00.

The President 4 feet. A rich glowing scarlet with immense rounded flowers, seven inches across when fully open, are produced on strong erect stalks well above the heavy foliage. Free-bloomer and strong grower.

Price, except where noted, three-inch pot plants, each, 30c; doz., $3.00; 100, $15.00.

SPECIAL OFFER No. 100. One each of the above four Cannas, three-inch pot plants, for $1.25.

Number of Cannas required for round beds planted eighteen inches apart each way for the following sizes: Seven feet—nineteen plants, one for center; six for first row, twelve for second or outside row. Ten feet—thirty-seven plants, one for center; six for first row, twelve for second row, eighteen for third or outside row. Thirteen feet—sixty-one plants, one for center; six for first row, twelve for second row, eighteen for third row, twenty-four for fourth or outside row.

Vaughan's Standard Varieties

***Allemania.** 5 ft. Bright scarlet with yellow border: green foliage.

Ambassador. 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage; petals measuring from 2 to 2½ inches across.

Apricot. 4 feet. The color is a buff-yellow base overspread with salmon-pink, making a mass effect of rich apricot.

City of Portland. 3½ feet. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage. Distinct among the several really worth while pink Cannas

Chas. Henderson. 4 feet. Crimson flowers. Good bedder and strong grower.

C imson Bedder. 3½ ft. Crimson. Green foliage.

David Harum. 3½ feet. Dark bronze foliage. Strong grower and one of the freest-blooming Cannas we have.

Florence Vaughan. 5 feet. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.

Eureka. 4 feet. Remarkably free-flowering variety and with its striking white flowers, which first appear cream, makes a very effective show in conjunction with a good scarlet such as King Humbert. A robust grower, forming sturdy, shapely plants quickly.

***Kate Gray.** 6 ft. Green foliage. Scarlet and yellow.

***Louisiana.** 6 feet. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 inches across. Foliage a glossy green.

Meteor. 4½ ft. Green foliage; deep crimson.

Mrs. Alfred F. Conard. 4 feet. Flowers salmon-pink of large size on finely shaped flower heads.

Shenandoah. 4 feet. Pink. Exactly like Mrs. Alfred F. Conard, except that the folliage is light Bronze.

***Statue of Liberty.** 6 feet. An extremely vigorous grower with bronze foliage and large orange-scarlet flowers.

***Wintzer's Colossal.** 5 feet. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.

Price, Vaughan's Standard Varieties, three-inch pot plants, each, 30c; doz., $3.00; 100, $15.00.

HUNGARIA

All Cannas marked (*) are Orchid Flowering Varieties.

Miscellaneous Spring Bulbs

Bulbs Shipped Separately from Seeds

Due to weather conditions during January, February and early March we prefer to send out Bulbs after March 20th unless it is our customers located in the South or California. To those customers we will ship at once packed against freezing. To insure the best results from Bulbs, customers should open the package upon arrival and in case Bulbs can not be planted at once they should be placed in a dry and frostproof cellar.

Amaryllis, Giant-Flowered

AMARYLLIS

Vaughan's New Hybrids—(See illustration). This selection of giant bloomers in wonderfully varied and brilliant colorings has been made from thousands of seedlings produced from hand hybridized flowers by an expert grower. This giant flowered strain is a mixture with the colors ranging from the darkest red shades through the medium striped and light shades.

Price, California-Grown, medium size, each, **60c**; doz., **$6.00, prepaid.**

Equestre—Orange-scarlet.

Price, each, **30c**; doz., **$3.00**; 25 for **$5.50, prepaid.**

Apios Tuberosa

Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a Wistaria; deep purple color; fragrant.

Price, each, **15c**; doz., **$1.50**; 25 for **$2.50, prepaid.**

Anemone (Windflower)

Soak bulbs in water 24 hours before planting. The variety offered below are charming hardy flowers. They are suitable for pot or border culture and, when planted in masses, are most effective. They succeed best in a light, rich, well-drained loam. Plant as soon as the ground can be worked in the spring. **Special Mixed.** Doz., **75c**; 100, **$5.00**; 1,000, **$45.00, prepaid.**

Begonias

Tuberous Rooted—Unexcelled for summer bedding, such as lawn beds and borders. Make fine pot-plants. When fully exposed to the sun the beds must be kept moist.

Single Sorts—White, red, orange, salmon, rose.
Price, each, **35c**; 4 for **$1.30**; doz., **$3.00**; 25 for **$5.00, prepaid.**
Double Sorts—Same color as single varieties.
Price, each, **40c**; 4 for **$1.50**; doz., **$3.50**; 25 for **$7.00, prepaid.**
Lloydii. Used for hanging baskets. Each, **40c**; 4 for **$1.50**; doz., **$4.00**; 25 for **$7.00.** Double blooming, many fine pink shades.

Caladium Esculentum

Elephant's Ear—One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.
First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.
Price, 3 for **25c, prepaid**; doz., **90c**; 25 for **$1.50, not prepaid.**
Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.
Price, 3 for **35c, prepaid**; doz., **$1.35**; 25 for **$2.25, not prepaid.**
Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.
Price, 3 for **60c, prepaid**; doz., **$2.25**; 25 for **$3.75, not prepaid.**
Mammoth Size—12-inch and up circumference. Mailing weight, 17 lbs. per doz.
Each, 50c; 3 for $1.25, prepaid; doz., $4.25; 25 for $7.75, not prepaid.

Cinnamon Vine
(Dioscorea Batatas)

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped eaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.
Price, Medium Size Roots, each, **10c**; doz., **$1.00**; 100, **$6.00, prepaid.**
Large Roots, each, **15c**; 3 for **40c**; doz., **$1.50**; 25 for **$2.75, prepaid.**

Gloxinias

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display and bloom for a long time. Plant the bulbs in small individual pots. The soil best suited should contain plenty of leafmold, some sand, and well-rotted manure. Place the pots in a warm window and keep moderately moist, but do not water to excess. When the roots become crowded in the first pot, the plants should be transplanted into larger ones. Protect against direct strong sunlight. Just before the plants come into bloom an application of very weak liquid manure is of great benefit.
Price, each 50c; 3 for $1.35; doz. $5.00, prepaid.

Hyacinthus Candicans
(Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.
Price, First Size, each, **15c**; doz., **$1.50 prepaid; Mammoth Size**, each, **20c**; doz., **$2.00, prepaid.**

Golden Yellow Calla Lily

Calla Elliottiana (Yellow Calla Lily) Though known during war period, bulbs have been so scarce and dear, the plant has not become generally known. We are now having many grown for us and can supply at very reasonable prices. At following prices all prepaid:
Bulbs, 1½-inch, **40c**; 3 for **$1.10**. doz., **$4.00.**

CALLA LILY

Ismene Calathina
(Hymenocallis)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy.
Price, each, **30c**; doz., **$3.00, prepaid.**

Madeira Vine
(Boussingaultia Baselloides.)

One of the best and most popular climbers for foliage effect. Increases very rapidly.
Price, each, **10c**; 3 for **25c**; doz., **90c**; 25 for **$1.75, prepaid.**

Montbretias

Mixed Montbretias are easily grown and their graceful flower-stems add much to any garden. They are also highly valued for cut-flowers and can be grown in flower-pots in the house. Montbretia bulbs are quite hardy and should be planted early in the spring, choosing a warm, sunny location. A sandy loam with good drainage, to which has been added some well-rotted stable manure, will give the finest flowers. When the plants come into flower, plenty of water should be given to help the free development of the flower-spikes. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.
Special Mixed. Price, each 15c; 3 for 40c; doz. $1.50, prepaid.

Oxalis

Summer-Flowering—These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. The colors we can supply are **white, red, pink.**
Price, either color, doz., **30c**; 25 for **50c**; 100 for **$1.75, prepaid.**

Ranunculus (Buttercup)

Plant in November for early spring bloom in frames. Set 3 or 4 inches apart, pressing firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tubers two inches under the surface. Water them well.
Special Mixed. Doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

Tuberoses, Double
(Polianthes Tuberosa.)

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut-flower. If started in warm place in pots, and end of May moved to open ground, can be flowered much earlier.

Excelsior Dwarf Pearl Double

Mammoth Bulbs—Each, **20c**; 3 for **55c**; doz., **$2.00**; 25 for **$3.75, prepaid.**
First Size—Each, **10c**; doz., **$1.00**; 25 for **$1.75, prepaid.**
Second Size—Price, each, **5c**; doz., **50c**; 25 for **$1.00, prepaid.**

Single Varieties

Armstrong's Ever-Blooming—This variety blooms year after year and has a fragrance similar to the "Jasmine."
Price, each, **10c**; doz., **75c, prepaid**; 25 for **$1.40, prepaid.**
Silver-Leaved—An early single flower, with striped leaves.
Price, each, **10c**; doz., **75c**; 25 for **$1.40, prepaid.**
Albino—Branching single variety, early and very free-flowering.
Price, each, **10c**; doz., **75c**; 25 for **$1.40, prepaid.**
Mexican Tuberose—They have tall, stiff stems, flowers pure white, single true tuberose fragrance.
Price, each, **5c**; doz., **50c**; 25 for **$1.00, prepaid.**

Tigridia
(Shell-flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. Blooms from middle of July to September. Height, 3 ft.
Mixed. Price, each 25c; 3 for 70c; doz., $2.50; 100, $18.00, prepaid.

Zephyranthus { Fairy Lily / Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.
Candida—Pure white and the most profuse bloomer of all.
Price, doz., **60c**; 25 for **$1.00, prepaid.**
Rosea—Beautiful clear rose; flowers large and very handsome.
Price, each, **20c**; doz., **$2.00**; 25 for **$3.75, prepaid.**

Rare Ornamental and

The Newer and

KOLKWITZIA Amabilis (Beauty Bush)

DAPHNE Cneorum

MALUS Bechtels (Double-Flowering Crab)

The figures in italics following each variety indicate in feet the average height of the plant at maturity.

ACER

Palmatum Atropurpureum (Red-Leaved Japanese Maple). *6-8'.* Very striking as a specimen tree or small shrub on the lawn. The foliage is red in Spring, later changing to an attractive dark bronzy purple. The plants we offer are of the true red variety. 18 to 24 in., balled and burlapped, **$7.50.**

Platanoides Globosum (Globe Norway Maple). An excellent form of the Norway Maple for lawn and formal effects. Clean, straight stems; branched at top forming a globe-shaped head. 6 ft. stems, **$5.00.**

AZALEA

The Azaleas are among the showiest of ornamental shrubs, blooming in May and June. They thrive in moist, well drained, acid soils, and do not like lime. They should be planted in partial shade and kept mulched, preferably with peat moss. We advise planting only in Spring.

Mollis (Chinese Azalea). *3-4'.* One of the most glorious of the Azaleas, with flowers of marvelous shades of yellow, orange, lemon, salmon, and terra cotta. It is of dwarf, compact growth with attractive foliage and is unexcelled for planting in front of Evergreens. 15 to 18 in., balled and burlapped, **$3.50**; 18 to 24 in., balled and burlapped, **$4.50.**

Kaempferi (Torch Azalea). *5-8'.* A very handsome, tall-growing variety that is one of the most popular and reliable sorts. It is of vigorous, bushy growth, and produces an abundance of beautiful fiery red orange flowers. 18 to 24 in., balled and burlapped, **$5.00.**

BERBERIS

Thunbergi Atropurpurea (New Red-leaved Japanese Barberry). *4'.* Similar in all respects to the green-leaved Japanese Barberry which is so popular, but the foliage is of a rich, lustrous, bronzy red, similar to the richest red-leaved Japanese Maples. Instead of fading as the season advances, this new Barberry becomes more brilliant throughout the summer, and in the fall changes to vivid orange, scarlet, and red shades, more brilliant than in the ordinary Japanese Barberry. It bears the same scarlet berries common to the type, which remain on the plant the entire winter. It should be planted in full sun to develop its coloring. 1-yr., each 75c; per 10, **$7.00**; per 100, **$60.00**; 2-yr., each, **$1.00**; per 10, **$9.00**; per 100, **$80.00.** We furnish 25 of a size at the 100 rate.

Julianae (Wintergreen Barberry). *4-5'.* A handsome new evergreen variety of rather upright habit, said to be one of the hardiest of the evergreen Barberries. Its leaves are long, leatherlike, and assume a brilliant crimson tint in autumn. Inconspicuous yellow flowers followed by bluish black fruits. We advise planting in the spring and giving winter protection. 15 to 18 in., balled and burlapped, **$2.00.**

COTONEASTER

This desirable class of shrubs, which has white or pinkish flowers borne in clusters along the branches during May and June, is valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. Plant in any well-drained limed soil, avoiding shade or moist situations. The varieties we offer are listed among the most valuable at the Morton Arboretum where they have all proved hardy.

Dielsiana (Diels Cotoneaster). *6-10'.* A distinct variety of loose, semi-erect growth, but with graceful drooping habit. Small oval leaves and masses of red berries in fall. 18 to 24 in., balled and burlapped, **$1.50.**

Divaricata (Spreading Cotoneaster). *5-6'.* One of the best of the species, especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The small, oval, dark green leaves turn a brilliant shade of crimson before they fall. 2 to 3 ft., balled and burlapped, **$2.00**; per 10, **$17.50**; 3 to 4 ft., balled and burlapped, **$2.50**; per 10, **$20.00**; 4-in. pots, **$1.00.**

Hupehensis (Hupeh C.). *6-10'.* This variety is considered by the Morton Arboretum as one of the handsomest of all Cotoneasters. Similar to the variety Racemiflora Soongarica but with dark green, usually sharp pointed, more oval leaves. 3-in. pots, **$1.25**; per 10, **$10.00.**

Horizontalis (Rock Cotoneaster). *1-1½'.* "Deservedly the most popular of the red-fruited varieties," says E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits deep into winter. 4-in. pots, **$1.00**; 15 to 18 in., balled and burlapped, **$2.25.**

Microphylla (Rockspray). *1½-2'.* A prostrate variety with narrow, dark green lustrous leaves. Very showy scarlet berries. Especially suited for planting in the rockgarden. 4 in. pots, **$1.25.**

Racemiflora Soongarica. *6-10'.* One of the most beautiful and best of the genus. Forms a broad rounded bush from 6 to 10 feet high and more in diameter; gray-green foliage. In September, each long graceful branch is completely covered with brilliant coral-red fruit. 2 to 3 ft., balled and burlapped, **$2.00**; per 10, **$17.50.**

CRATAEGUS

Oxyacantha Splendens (Paul's Double Scarlet Hawthorn). *12-15'.* The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub and makes a fine specimen for the lawn. 3 to 4 ft., **$1.75**; 4 to 5 ft., **$2.50.**

DAPHNE

Cneorum (Rose Daphne). *1'.* One of the loveliest of all plants and a gem for the rockgarden or for edging borders. A dwarf evergreen shrub of trailing habit, with leaves of dark glossy green, glaucus beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, poor gravely soil. In cold climates the plants should be protected during winter. 8 to 10 in., balled and burlapped, **$1.50** each; per 10, **$14.00**; 10 to 12 in., balled and burlapped, **$2.00**; per 10, **$17.50.**

EUONYMUS

Alatus Compacta. *2-3'.* A very bushy, compact form of the Winged Euonymus that is especially attractive in the fall when the foliage turns an intense crimson, and the whole bush resembles a ball of fire. Will succeed in shady places. 12 to 18 in., **$1.00.**

HAMAMELIS

Vernalis (Vernal or Winter-Blooming Witch-hazel). *5-8'.* Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in greatest profusion, have a delightful spicy fragrance, and vary in color from bright yellow to shades of old gold, reddish brown and maroon. The shrub grows from 5 to 8 feet tall and frequently gets to be as wide as tall. It gives the best results when planted in a sheltered place well open to the winter sun. Ought to be planted in every garden for its early flowering quality and abundance of bloom. 2 to 3 ft., **$1.50**; 3 to 4 ft., **$2.00.**

JAPANESE FLOWERING CHERRIES

Probably no group of small-flowering trees attract more attention than the Japanese Cherries with their rose-like flowers. Thousands visit the large collection at Washington, D.C., annually. They are still scarce, although they will thrive in practically every state if planted in a fertile and well-drained soil and kept mulched for a few years. We are glad to be able to offer the following good varieties.

Fujizan (Mt. Fuji). *20'.* A beautiful variety that produces an abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide. Late flowering. 4 to 5 ft., **$5.00.**

Paul Wohlert. *8-10'.* An early flowering variety with a great profusion of semi-double flowers of deep pink or red. Of dwarf, spreading habit. 4 to 5 ft., **$5.00.**

Kwanzan (Sekizan). *20-25'.* Often called the handsomest of all the double-flowering cherries. It forms an upright spreading tree with gray bark and deep bronze-green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 4 to 5 ft., **$5.00.**

Sieboldi (Naden). *20'.* A very popular late-flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 4 to 5 ft., **$5.00.**

Special Offer: one each Fujizan, Kwanzan and Sieboldi, 4 to 5 ft., for **$12.00.**

KOLKWITZIA

Amabilis (Beautybush). *6-8'.* There are few flowering shrubs which can surpass this for beauty of form and flower. Its trumpet-shaped pink flowers, deep pink without, stained with yellow-brown on the lower throat and lip, are most freely produced, which fact combined with its graceful contour, makes the plant a striking object in the shrubbery border. Grows from 6 to 8 feet tall and fully that wide. Absolutely hardy and reliable and makes a wonderful showing in June. One of the E. H. Wilson's and the Arnold Arboretum's choicest new introductions from China. 18 to 24 in., extra bushy, balled and burlapped, **$2.50**; per 10, **$22.50**; 18 to 24 in., not balled and burlapped, **$2.00**; per 10, **$17.50**; 4-in. pots, **$1.50.**

LONICERA

Korolkowi Floribunda (Broad Blueleaf Honeysuckle). *10'.* A most attractive variety of twiggy growth, arching in habit, and with a mass of gray-green foliage. The great masses of delicate pink flowers are very beautiful, being carried high on the plants and producing a misty effect. Dark red fruits. 2 to 3 ft. **$1.00.**

MAGNOLIA

Soulangeana. *20'.* A vigorous grower and one of the hardiest of the genus. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy-pink when in bud, pure white when open. A full-sized tree is a gigantic bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., balled and burlaped, **$12.00**; 3 to 4 ft., balled and burlapped, **$18.00**; 4 to 5 ft., balled and burlappepd, **$25.00.**

Flowering Shrubs

Better Varieties

MALUS (Flowering Crab)

The Flowering Crabs have few rivals among the gorgeous spring-flowering ornamentals. They are small trees and their blooms range in color from deep carmine to the most delicate pinks. They make splendid specimens for the lawn, and when used in the shrubbery borders they enhance the value of the planting with their profusion of color.

Atrosanguinea (Carmine Crab). *10-15'.* Similar to Floribunda, but with deep carmine flowers which do not fade. 3 to 4 ft., **$1.50**; 4 to 5 ft., **$2.00.**

Baccata (Siberian Crab). *20-30'.* One of the earliest of the flowering Crabapples, producing quantities of white, fragrant flowers followed by small reddish fruit. Fast, upright grower; good foliage. 3 to 4 ft., **$1.75**; 4 to 5 ft., **$2.50**; 5 to 6 ft., **$3.00.**

Bechtel's Double-Flowering. *10-15'.* Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., **$1.75**; per 10, **$15.00**; 4 to 5 ft., **$2.50**; per 10, **$22.50.** 5 ft. specimens, **$5.00**; 6 to 8 ft. specimens, **$7.50** to **$12.00.**

Coronaria (Wild Sweet Crab). *15-20'.* A low bushy tree with spreading spiny branches. Very fragrant pink flowers produced in clusters. The yellow-green fruit is fragrant and is frequently used for preserves. 3 to 4 ft., **$1.50**; per 10, **$12.50**; 4 to 5 ft., **$2.00**; per 10, **$17.50**; 5 to 6 ft., **$2.50**; per 10, **$22.50.**

Floribunda (Japanese Flowering Crab). *10-15'.* Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter and is greatly relished by the birds. 3 to 4 ft., **$1.50**; per 10, **$12.50**; 4 to 5 ft., **$2.00**; per 10, **$17.50**; 5 to 6 ft., **$2.50**; per 10, **$22.50.**

Halliana Parkmani (Parkman Crab). *8-10'.* A dwarf, vase-shaped tree with erect and spreading branches. Flowers bright rose-red, hanging on long slender stems. A favorite in Japanese gardens. 3 to 4 ft., **$1.50**; per 10, **$12.50**; 4 to 5 ft., **$2.00**; per 10, **$17.50.**

Niedzwetzkyana (Redvein Crab). *10-15'.* A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 3 to 4 ft., **$1.50**; 4 to 5 ft., **$2.00.**

Sargenti (Sargent Crab). *5-6'.* A very dwarf spreading variety, excellent for the small garden. Flowers pure white succeeded by an abundance of small, dark red fruit that remain until Spring. 3 to 4 ft., **$2.00**; per 10, **$17.50**; 4 to 5 ft., **$2.50**; per 10, **$22.50.**

Scheideckeri (Scheidecker Crab). *10-15'.* A very showy and early, free-flowering variety, with double, bright rose-colored blooms. Tree small, of pyramidal habit; fruit yellow and good for jelly. 4 to 5 ft., **$2.00**; per 10, **$17.50.**

PHILADELPHUS (Mock Orange)

There is a great variation in the different varieties of Mock Orange both in the habit of their growth and in their form of bloom. Some have vigorous, upright habit of growth, forming larger shrubs, and there are many dwarf varieties, with slender, arching branches and small leaves. All are refined and beautiful, and the different varieties can be grouped together most effectively.

The Better Varieties

Banniere. *5-6'.* The earliest flowering of the Philadelphus, blooming 10 days before Virginal. Very fragrant, semi-double, waxy-white flowers of large size. Erect and compact in growth with dark green foliage. 18 to 24 in., **90c**; per 10, **$7.50**; 2 to 3 ft., **$1.00**; per 10, **$8.50.**

Dame Blanche (White Lady). *4'.* Small foliage and upright branches to about four feet. Semi-double fringed flowers, creamy white and very fragrant. 18 to 24 in., **90c**; per 10, **$7.50**; 2 to 3 ft., **$1.00**; per 10, **$8.50.**

Favorite. *7-8'.* Large single, cup-shaped flowers, 3 inches wide, in clusters of five; pure white with golden stamens. Of erect, compact growth; foliage light, glossy green. 18 to 24 in., **90c**; per 10, **$7.50**; 2 to 3 ft., **$1.00**; per 10, **$8.50.**

Glacier. *5'.* Very attractive double, rich cream color flowers, produced in clusters, giving the effect of one enormous flower. Matures to a height of five feet. 18 to 24 in., **90c**; per 10, **$7.50**; 2 to 3 ft., **$1.00**; per 10, **$8.50.**

Norma. *7-8'.* Unusually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 18 to 24 in., **90c**; per 10, **$7.50**; 2 to 3 ft., **$1.00**; per 10, **$8.50.**

Pyramidalis. *8-10'.* Waxy white clusters of large, double flowers. Of tall, compact, pyramidal growth with large dark green leaves. 18 to 24 in., **90c**; per 10, **$7.50**; 2 to 3 ft., **$1.00**; per 10, **$8.50.**

Virginalis. *7-8'.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white, sweet-scented and produced in clusters of five to seven. It has the longest blooming season of any variety, the new wood producing throughout the summer, large individual, single or semi-double flowers that are often three inches wide. Of vigorous, medium tall, compact growth and large dark green foliage. 2 to 3 ft., **$1.00**; per 10, **$8.50**; 3 to 4 ft., **$1.25**; per 10, **$10.00**; 4 to 5 ft., bushy, **$1.50**; per 10, **$12.50**; 4 to 5 ft., specimens, **$2.50.**

Special Offer. One each of the above seven varieties of Philadelphus, 2 to 3 ft. size, for **$5.00.**

PYRACANTHA

Coccinea Lalandi (Laland Firethorn). *5-6'.* An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Flowers white, in large clusters, followed in fall by brilliant orange-red berries. It is one of our finest berried shrubs that thrives in almost any soil. Prefers a sunny location. 15 to 18 in., balled and burlapped, **$2.00**; per 10, **$17.50**; 18 to 24 in., balled and burlapped, **$2.50**; per 10, **$22.50**; 3 in., pots, **$1.50**; per 10, **$12.50.**

NEW HYBRID RUGOSA ROSES

Agnes. *5-6'.* A new yellow Rugosa Rose of exceptional merit. The flowers are a rich amber yellow, double, sweetly scented and come along the branches, like hollyhocks, early in June. It is a strong, vigorous grower with gray-green, crinkled foliage. 2-year, **$1.50**; per 10, **$12.50.**

F. J. Grootendorst. *5-6'.* A cross between the Rugosa and the Crimson Baby Rambler. The plant is vigorous, will attain a height of six feet, and has large coarse foliage of superb quality. It is valuable as an isolated specimen, or among shrubs, or it can be used as an everblooming hedge. The flowers are an attractive bright red, are beautifully fringed, and produced in clusters. It is perfectly hardy, blooms from early summer until frost, and should have a prominent place in every garden. 2-year, **$1.00**; per 10, **$8.50.**

Pink Grootendorst. *5-6'.* A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, **$1.00**; per 10, **$8.50.**

Special Offer. One each of the above three Rugosa Roses for **$3.00.**

ROSA HUGONIS

RUGOSA ROSE, Grootendorst

ROSA HUGONIS (Golden Rose of China)

Rosa Hugonis (Golden Rose of China). *6'.* This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. The small foliage, and the new young shoots that are red, make it attractive all season. It is fine for use in the shrub border or for specimen plantings and will attain a height of six feet when fully matured. It never winter-kills. 2-year, **$1.00**; per 10, **$9.00**; 3-year, **$1.25**; per 10, **$10.00.**

Three Outstanding Lilac Novelties

Jan Van Tol. Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., **$2.50.**

Katherine Havemeyer. Double, cobalt blue, flushed mauve; enormous flower of the most perfect shape with broad imbricated lobes. One of the handsomest lilacs. 2 to 3 ft., **$5.00.**

Mrs. Edward Harding. Double, bright carmine, big panicles of large, full flowers. This variety was awarded the special prize founded by Mrs. Edward Harding for the best double red lilac. 2 to 3 ft., **$5.00.**

Special Offer. One each of the above three Lilacs for **$10.00.**

SYRINGAS (Lilacs)

New and Rare Varieties

***Berryer.** Double, long trusses of semi-double mauve flowers. 18 to 24 in.; 2 to 3 ft.

***Buffton.** Single; elegant cluster of flowers, mauve-pink with reflexed lobes. 18 to 24 in.; 2 to 3 ft.

***Claude Bernard.** Double, a rapid-growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early. 18 to 24 in., 2 to 3 ft.

***Descartes.** Single, mauve-pink; exceedingly free. 18 to 24 in.; 2 to 3 ft.

Diderot. Single, enormous panicles, one foot long, with large claret-purple flowers; very free. 18 to 24 in.

Edouard Andre. Double; clear rose or nearly pink, one of the best of this color. 18 to 24 in.

Emile Gentil. Double; large imbricated flowers, bright cobalt-blue; a very rare shade among lilacs. 18 to 24 in.

Jean Mace. Double, broad, compact panicles, irregular flowers, mauve, fading to bluish, an early and very floriferous variety. 18 to 24 in.; 2 to 3 ft.; 3 to 4 ft.

Leon Gambetta. Double; enormous trusses; very large, lilac-rose flowers, very pretty; early. 18 to 24 in.; **$2.50**; 2 to 3 ft., **$3.00.**

Louvois. Single; voluminous clusters of large flowers, deep violet-purple with bluish shades. 18 to 24 in.; 2 to 3 ft.

Marechal Lannes. Very broad panicles or double of semi-double flowers of amazing size; bluish violet. 18 to 24 in.; 2 to 3 ft.

***Mireabeau.** Single; mauve, the earliest of all. 18 to 24 in.; 2 to 3 ft.

Montaigne. Double. Pinkish mauve, very large clusters. 18 to 24 in.; 2 to 3 ft.

President Faillieres. Double; immense clusters, pale lavender. 18 to 24 in. **$2.50**; 2 to 3 ft., **$3.00.**

The varieties marked * belong to a new class of Lilacs, the "Early Lilacs," a cross between one of the early flowering Lilacs and Syringa Giraldi; this latter Lilac has been recently introduced from China, and is remarkable for its flowering a week or two before the other sorts. A cross between it and of the early-flowering lilacs originated a new race of tall-growing lilacs which expand their flowers before the lilacs now known.

Price of above, except where noted, 18 to 24 in., each **$2.00**; 3 for **$5.50**; 6 for **$10.00**; 2 to 3 ft., each, **$2.50**; 3 for **$7.00**; 6 for **$12.00**; 3 to 4 ft., **$3.00.** Sizes which we have to offer noted after each variety.

VIBURNUM

Carlesi (Fragrant V.) *4'.* This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance quite surpassing any shrub we know of, and is considered by the Arnold Arboretum as Korea's great gift to our gardens. Hardy, but best planted in a somewhat sheltered position. 12 to 15 in., balled and burlapped, **$2.50**; 12 to 15 in., not balled and burlapped, **$2.00**; 18 to 24 in., balled and burlapped, **$3.00**; 18 to 24 in., not balled and burlapped, **$2.50**; 24 to 30 in., balled and burlapped, **$5.00**; 2 to 2½ ft., balled and burlapped, **$7.50.**

Opulus Nanum (Dwarf Cranberrybush). *1-1½'.* A very dwarf, compact form of the Cranberrybush, seldom attaining more than one foot in height. It does not flower or fruit but has very attractive, dark green foliage. It is fine for edging, bordering, or for use in the rockgarden. 8 to 10 in., **75c**; 10 for **$6.00.**

VAUGHAN'S NURSERY CATALOG

Listing and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request.

Vaughan's Hardy Climbing Vines

Flower lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wisteria to climb as high as the roof. Stone or brick walls are always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckle and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. The following are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. Even grapevines make a good covering.

WISTERIA

AKEBIA QUINATA

A beautiful hardy Japanese vine, with unique foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects, and is distinctly ornamental. Prefers a sunny situation. 2-yr., 75c.

AMPELOPSIS

Engelmannii (Engelman's Ivy). One of the hardiest, best and quickest growing climbers for the North and Northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2-yr., 50c; per 10, $3.50.

Heterophylla (Porcelain Ampelopsis). A handsome and refined climbing plant for use where a quick-growing, densely covered vine is desired. It is attractive all summer because of its ornamental, heart-shaped leaves, prettily incised, but is charming in autumn when its crop of berries turn a bright turquoise blue. 3-yr., 75c; per 10, $6.00.

Quinquefolia (Virginia Creeper or Woodbine). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2-yr., 50c; per 10, $3.50.

AMPELOPSIS VEITCHII (Boston Ivy)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2-yr., 65c; per 10, $5.00; 3-year, 75c; per 10, $6.50; pot-grown, 85c; per 10, $7.50.

ARISTOLOCHIA SIPHO (Dutchman's Pipe)

A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich, glossy, dark green, heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and adaptable to practically every situation, thriving in any soil, in sun or shade. 2-yr., $1.00; pot-grown, $1.25.

BIGNONIA RADICANS (Trumpet Vine)

A robust tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2-yr., 75c; per 10, $6.00.

CLEMATIS PANICULATA

CELASTRUS (Bittersweet)

Celastrus Scandens (Climbing Bittersweet). A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2-yr. vines, each, 75c; 3-yr., 90c.

CLEMATIS

CLEMATIS JAPANESE (Clematis Paniculata)

The finest small-flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2-yr., 60c; per 10, $5.00; 3-yr., 70c; per 10, $6.00; pot-grown, 75c; per 10, $6.50.

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They need rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Henryi. Strong grower, flowers always eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2-yr., $1.00.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring. 2-yr., $1.25.

Mad. Edward Andre. Flowers large, of a very beautiful bright velvety red, very free-flowering, and continuous bloomer. 2-yr., $1.00.

Gold Medal Collection. One 2-year-old root, each, Jackmanii, Henryi and Mad. Edward Andre, $3.00.

Can supply Large-Flowering Clematis in pot-grown plants after May 1st.

VARIOUS SPECIES OF CLEMATIS

Cocinnea. Bell-shaped flowers, bright coral-red; blooms from June until frost. Each, 75c. Pot-grown after May 1st.

Crispa. Fine deep blue, with a white border and deliciously fragrant. Each, 75c. Pot-grown after May 1st.

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees, and if used on terraces or embankments will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Aureo-Reticulata. A handsome variety with foliage netted and spotted bright yellow; flowers creamy white. 3-year, 75c.

Heckrotti. Remarkable for large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season. 2-yr., 90c.

Sempervirens (Trumpet Honeysuckle). Fuchsia-like scarlet flowers, very free and beautiful. 2-yr., 60c; per 10, $5.00; 3-yr., 75c; per 10, $6.50.

HALL'S JAPANESE HONEYSUCKLE (Lonicera Halliana)

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloom of all. 2-yr., 60c; per 10, $5.00; 3-yr., 75c. Pot-grown, ready May 1st.

KUDZU VINE (Pueraria Thunbergiana) or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots, each, 50c; per 10, $4.00.

MATRIMONY VINE (Lycium)

Well-known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong, 2-yr., each, 50c.

POLYGONUM (Silver Lace Vine)

The plant is of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose maks an exceedingly pretty picture. This vine does well in the East, in the Middle West and the West. 2-yr., $1.00. Pot-grown after May 1st.

WISTERIA

Magnifica (American Purple Wisteria). A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., extra strong, 75c; 3-yr., 85c.

Sinensis Purple (Chinese Wisteria). A very strong-growing vine that climbs high and twines tightly. Blooms very profusely early in summer; flower sky-blue, in long, pendulous clusters. The plants we offer are grafts propagated from blooming wood. 2-yr., $1.00.

Sinensis Alba (White Chinese Wisteria). Same as the Sinensis Purple except that the flowers are pure white. 2-yr., $1.00.

Vaughan's Nursery Catalog

LISTING and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request. We sell to customers at one profit, and our prices are much lower than those you will pay to salesmen. Our nurseries are at Western Springs, Ill., eighteen miles west of Chicago, on the C. B. & Q. Railroad. The grounds are on Wolf road, two blocks south of W. Forty-seventh street.

Vaughan's Fancy Grass Seeds

Fairway Mixture

For Fairways we recommend a simple, but very well-proportioned mixture of Kentucky Blue Grass and Red Top, which gives excellent result and if properly cared for improves with age.

Price, lb., 55c; 2 lbs., $1.10; 3 lbs., $1.60; 5 lbs., $2.65; 10 lbs., $5.25; 25 lbs., $12.25; 50 lbs., $23.00; 100 lbs. $45.00. Sow 100 to 150 lbs. to the acre. Special prices quoted on large quantties.

Vaughan's Tennis Court Mixture

Undoubtedly the best there is, not only for Tennis Courts, but for Cricket Grounds and Bowling Greens, made up of deep-rooting, hard-wearing grasses.

Price, lb., 60c; 2 lbs., $1.20; 3 lbs., $1.75; 5 lbs., $2.85; 10 lbs., $5.50; 25 lbs., $13.25; 50 lbs., $25.50; 100 lbs., $50.00.

Terrace Mixture

A mixture of grasses that root quickly and form a good turf under conditions as met with on terraces.

Lb., 60c; 2 lbs., $1.20; 3 lbs., $1.75; 5 lbs., $2.85; 10 lbs., $5.50; 25 lbs., $13.25; 50 lbs., $25.50; 100 lbs., $50.00.

Putting Green Mixture

We offer a mixture of fancy grasses that make a very good turf, but recommend that only one kind of grass be used on putting greens, e.g., European Mixed Bent, or Chewing's Fescue, etc.

Price, lb., 75c; 2 lbs., $1.50; 3 lbs., $2.20; 5 lbs., $3.65; 10 lbs., $7.20; 15 lbs., $10.65; 20 lbs., $14.00; 25 lbs., $17.25; 50 lbs. $33.00; 100 lbs., $65.00.

ITEMS BELOW ARE SHIPPED AT BUYER'S EXPENSE. ADD POSTAGE, OR ASK US TO EXPRESS, CHARGES COLLECT.

FESCUES

CHEWING'S FESCUE (New Zealand-Grown)—There is very little difference between this and the European-grown Red Fescue. Chewing's is in even greater demand for Putting Greens than the Red Fescue. Best seeded alone when used for greens. It is a perennial with creeping roots and makes a fine turf. Does well in sandy soils, and in the shade. Sow either Spring or Fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1,000 sq. ft. 1 lb., 60c (by mail 65c); 2 lbs., $1.20; 3 lbs., $1.65; 5 lbs., $2.40; 10 lbs., $4.60; 25 lbs., $11.25; 100 lbs., $42.00.

RED OR CREEPING FESCUE (FESTUCA RUBRA)—We can again offer in limited quantity genuine creeping red fescue. This seed is grown in Germany and is a true creeper. 1 lb., 95c (by mail $1.00); 2 lbs. $1.90; 3 lbs., $2.70; 5 lbs., $4.15; 10 lbs., $8.10; 25 lbs., $20.00; 100 lbs., $77.00.

SLENDER FESCUE OR FINE-LEAVED SHEEP'S FESCUE (FESTUCA TENUIFOLIA)—Of value as a lawn and pasture grass where it does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 90c (by mail, 95c); 5 lbs., $3.45; 10 lbs., $6.75; 100 lbs., $63.00.

SHEEP'S FESCUE (FESTUCA OVINA)—A good grass for upland pastures and for sandy and poor soils. It is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage make it a desirable grass for many purposes. Much used for the "rough" on golf courses. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 55c (by mail, 60c); 2 lbs., $1.10; 3 lbs., $1.50; 5 lbs., $2.15; 10 lbs., $4.10; 25 lbs., $10.00; 100 lbs., $37.00.

HARD FESCUE (FESTUCA DURIUSCULA)—This grass does well in sandy pastures. Is a slender and very tufted perennial, a dwarf form of Sheep's Fescue. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 55c (by mail, 60c); 2 lbs., $1.10; 3 lbs., $1.50; 5 lbs., $2.15; 10 lbs., $4.10; 25 lbs., $10.00; 100 lbs., $37.00.

ENGLISH BLUE GRASS OR MEADOW FESCUE (FESTUCA ELATIOR PRATENSIS)—A native of Europe, it has become very thoroughly naturalized here. Should be sown with other grasses. Particularly a pasture or meadow grass. Ours is choice American-grown. Sow in the Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 30c (by mail 35c); 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.10; 10 lbs., $2.05; 25 lbs., $4.70; 100 lbs., $16.75.

ROUGH STALKED MEADOW GRASS (POA TRIVIALIS)—An ideal shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial closely related to Kentucky Blue Grass, but somewhat finer and softer. It has a splendid apple-green color and is a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. 1 lb., 70c (by mail, 75c); 2 lbs., $1.40; 3 lbs., $2.00; 5 lbs., $3.10; 10 lbs., $6.00; 25 lbs., $14.00. 100 lbs., $56.00.

WOOD MEADOW GRASS (POA NEMORALIS)—Used as a shade grass in the Northern half of the United States. It is a very good shade grass that grows well in rather dry soils and should not be used in moist places. A perennial closely related to Kentucky Blue Grass. Sow in the Fall or Spring 1 lb. to every 300 sq. ft. 1 lb., 90c (by mail, 95c); 2 lbs. $1.80; 3 lbs., $2.55; 5 lbs., $4.10; 10 lbs., $8.00; 25 lbs., $19.75; 100 lbs., $77.00.

ORCHARD GRASS (DACTYLIS GLOMERATA)—A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Not adapted to wet soils. It should not be used in lawn mixtures as it is too coarse and tufted. Sow in the Spring, 25 to 30 lbs. per acre. 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., $1.05; 5 lbs., $1.55; 10 lbs., $2.90; 25 lbs., $7.00; 100 lbs., $25.00.

RYE GRASSES

ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE)—Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it; the seed is heavy and very quick to start. Also a good lawn grass where quick results are wanted. Sow in Spring or Fall, 30 to 40 lbs. per acre for pasture. Standard weight, 24 lbs. to the bushel—our seed extra heavy quality, 27-28 lbs. to the bushel. 1 lb., 35c (by mail, 40c); 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.20; 10 lbs., $2.20; 25 lbs., $5.15; 100 lbs., $18.00.

PACEY'S ENGLISH OR SHORT SEEDED RYE GRASS—A strain selected for its greater yield. The seed is smaller and runs more to the bushel than the standard variety. 1 lb., 36c (by mail, 41c); 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.30; 10 lbs., $2.35; 25 lbs., $5.65; 100 lbs., $19.50.

ITALIAN RYE GRASS (LOLIUM ITALICUM)—Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. It is almost an annual, generally lasting a second year, however. Develops very rapidly. Valuable in lawn grass mixtures demanding immediate effect. Used in the South for winter lawn grass. Sow in October in the South, Spring or Fall in the North, 30 to 40 lbs. per acre for pasture; 4 to 7 lbs. per 1,000 sq. ft. on lawns. 1 lb., 35c. (by mail, 40c); 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.25; 10 lbs., $2.30; 25 lbs., $5.50; 100 lbs., $19.00.

DOMESTIC RYE GRASS—A mixture of the English and Italian Rye Grass, grown in this country. 1 lb., 25c (by mail, 30c); 2 lbs., 50c; 3 lbs., 65c; 5 lbs. 95c; 10 lbs., $1.75; 25 lbs., $3.85; 100 lbs., $13.50.

TIMOTHY (PHLEUM PRATENSE)—The most popular of all hay grasses. A stand is easily secured and growth is very rapid.

Vaughan's Fancy seed (99.5% pure or better), 1 lb., 25c (by mail, 30c); 2 lbs., 50c; 3 lbs., 65c; 5 lbs., 85c; 10 lbs., $1.50; 25 lbs., $3.30; 100 lbs., $10.75.

BERMUDA GRASS (CYNODON DACTYLON)—The grass for Southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the South; winter kills in the North. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). 1 lb., 60c (by mail, 65c); 2 lbs., $1.20; 3 lbs., $1.65; 5 lbs., $2.40; 10 lbs., $4.60; 25 lbs., $11.25; 100 lbs., $42.00.

CANADA BLUE GRASS (POA COMPRESSA)—A hardy grass with dense creeping root stocks. Adapted to all soils and very valuable on poor soils and clay soils. Recommended for Eastern States for dairy use. Sow 40 to 60 lbs. per acre for pasture; 135 to 145 lbs. per acre for lawns, in Fall or Spring. 1 lb., 45c (by mail, 50c); 2 lbs., 90c; 3 lbs., $1.20; 5 lbs., $1.70; 10 lbs., $3.20; 25 lbs., $7.60; 100 lbs., $27.75.

AWNLESS BROME GRASS (BROMUS INERMIS)—Unsuccessful on arid soils. Very strong, quick growth making two crops of very abundant pasture. It prevents washing on the banks of streams. Sow in the Spring, 2 bushels per acre. (14 lbs. to bushel) 1 lb., 30c (by mail, 35c); 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.05; 10 lbs., $1.90; 25 lbs., $4.35; 100 lbs., $15.00.

TALL MEADOW OAT GRASS (AVENA ELATIOR PRATENSIS)—An excellent meadow grass for winter grazing and for hay in Southern States and dry climates; should be sown with other grasses. Sow in Spring or Fall, 3 bushels per acre (13 lbs. to bushel). 1 lb., 45c (by mail, 50c); 5 lbs., $1.90; 10 lbs., $3.60; 100 lbs., $32.00.

MEADOW FOXTAIL (ALOPECURUS PRATENSIS)—Every permanent pasture mixture should include some of this grass; particularly good for moist pastures. Does not reach maturity for 2 or 3 years and should be sown with other grasses. Sow in Fall or Spring. (7 lbs. to bushel.) 1 lb., $1.15 (by mail, $1.20); 5 lbs., $5.35; 10 lbs., $10.50.

CRESTED DOGSTAIL (CYNOSURUS CRISTATUS)—Fine leaved perennial, best in rich, moist soils. (21 lbs. to bushel.) 1 lb., 55c (by mail, 60c); 2 lbs., $1.10; 3 lbs., $1.50; 5 lbs., $2.30; 10 lbs., $4.40; 25 lbs., $10.60; 100 lbs., $40.00.

Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 50c; lb., $2.00; 5 lbs., $9.00; 25 lb. pail, $37.50; 100 lb. drum, $145.00.

Write us for booklet.

For Fertilizers. see page 101.

Creeping Bent Stolons

We are now able to supply this splendid golf grass for private use. It produces a fine lawn in one season, but must have extra care, several top dressings a year and frequent mowing. But for those willing and able to provide the needed care it will repay as no other grass known. For $25.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for $14.00; 250 sq. ft. for $8.25; 100 sq. ft. for $4.25. Express charges from growing station are extra. If larger quantities are desired ask for a special quotation. We furnish complete directions and deliver to you in the best growing condition. A leaflet giving further information about Creeping Bent Stolons will be sent upon request. It is best to plant stolons in May and June for spring planting, and from the middle of August to the middle of September for fall planting.

SPECIAL LIST OF FIELD SEEDS.

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot of 10 lbs. or over. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address

FIELD SEED DEPARTMENT

VAUGHAN'S SEED STORE, Drawer V., Chicago, Ill.

Seed of the Bent Grasses

EUROPEAN MIXED BENT (so-called "Creeping Bent") is a mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Rhode Island Bent. It has been in high favor as a putting green grass.

The important advantage of the Bent Grasses on lawns is that they like acid soils and can be fed with acid reacting fertilizers, such as Ammonium sulphate, the constant use of which discourages weeds.

These seeds are somewhat to be preferred to the Creeping Bent Stolons for lawn purposes (but not for putting greens), because they do not grow so rapidly and the average home-owner can keep up with mowing. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

European Mixed Bent ("Creeping Bent Grass"), 1 lb., $1.25; 2 lbs., $2.50; 3 lbs. $3.70; 5 lbs., $6.00; 10 lbs., $11.50; 15 lbs., $16.85; 25 lbs., $27.50.

RHODE ISLAND BENT GRASS has been neglected as a lawn grass. It makes a fine close turf of excellent color and adapts itself readily to any soils, particularly acid soils. This grass also makes good putting green turf.

Rhode Island or Colonial Bent, 1 lb., $1.65; 2 lbs., $3.30; 3 lbs., $4.85; 5 lbs., $8.00; 10 lbs., $15.50; 15 lbs., $22.85; 25 lbs., $37.50.

Cocoos Bent

We can now offer genuine Cocoos bent seed. This is a true unmixed creeping bent grass seed. Excellent for putting greens and lawns. One top dressing a year is sufficient to keep it in good condition.

1 lb., $2.75; 2 lbs., $5.50; 3 lbs., $8.10; 5 lbs. $13.25; 10 lbs., $25.00; 25 lbs., $60.00; 50 lbs., $115.00; 100 lbs., $225.00.

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All Prices Prepaid

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Contents:—The Uses of Annuals; Ordering Seeds; Classes of Annuals; Seed Sowing; Transplanting; Pinching; The Hoe vs. The Hose; Watering vs. Sprinkling; Annuals and Shades; Fall Sowing and Self-Sown Annuals; Hotbeds and Coldframes; Annual Flowers and Their Uses.

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Enemies of Garden Flowers.—Takes up in alphabetical order all common garden flowers, their enemies and how to control each.
Lawns.—Brown Patch—Earthworms—White Grubs—Ants. Control measures.

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A book for the person who wants to grow better Dahlias by a man who is doing it. It treats on situation, soil types, cultivation and all the details of growing Dahlias, propagating them, exhibiting them and enjoying them.

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Through the agency of a small greenhouse you can have fruits and vegetables of superb quality out of season, Roses and Carnations in midwinter. Palms and Ferns all the year around.

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GLADIOLUS, THE. By A. C. Beal, Ph.D. Illustrated. 128 pages. Cloth..... **$1.35**
A Practical Treatise on the Propagation and Successful Culture in Home, Garden and Under Glass.

HANDBOOK OF FERTILIZERS. By A. F. Gustafson. Illustrated. 122 pages..... **$1.35**
Successful present day farming requires careful study, full information, and keen judgment at every point. In no phase of agriculture is there greater need for accurate information than concerning fertilizer. This little book is an attempt to supply accurate, up-to-date information as to the source and make-up of commercial fertilizers. Special stress is laid on the effects of fertilizers on soils and crops in the hope of aiding the user to make a wise choice for his individual soil conditions.

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Makes every step in the culture and care of roses so clear that any grower can understand it and succeed with them. A completely re-written edition of America's most popular rose book.

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This book gives detailed sketches showing where to place your flower, rose, wild or rock garden. It also has planting plans telling exactly what varieties to plant for best effects. It gives working plans showing how to construct walks, drives, pergolas, terraces, pools, fountains, garden seats and rustic houses.

LAWNS. By F. F. Rockwell. 87 pages, 39 illustrations. Cloth, postpaid..... **$1.10**
The scarcity of really fine lawns of velvety green turf shows that home owners find their establishment and maintenance a hard problem. If you have trouble with yours, either in planting, remaking, or repairing, you will find this new book a real help.

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Tells how to care for Palms, Ferns, Rubber Plants, Fuchsias, Jerusalem Cherries and scores of other popular house plants, together with advice about the best plants to grow indoors.

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The peony is treated from the standpoint of its individual beauty as exemplified in the flowers of the different varieties. These she selects with careful thought as to both quality and price. Ten causes are given in answer to the ever recurring question, "Why do my peonies refuse to bloom?"

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Their cultivation in beds, borders, the wild and woodland garden and by the waterside: and also their propagation. With descriptions of the most attractive, useful and easily grown genera, species and varieties.

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Shows just how you can build a rock garden yourself, on a small or large scale and at little expense. Describes the types of rock gardens, tells what soils, climates, and locations are best, how to construct, and what to plant for the effect you want.

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Since the recent awakening to the importance of basketry, Reed has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work. Sample card mailed upon request.

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No. 5	.15	.53	1.00	.95
No. 6	.15	.53	1.00	.95
No. 7	.15	.50	.95	.90
Flat Reed, ⅜-inch	.15	.50	.95	.90
Split Reed, No. 6	.15	.50	.95	.90

Vaughan's High-Grade Fertilizers

THERE are three chemical elements of plant food commonly used in fertilizers. They are nitrogen, phosphates and potash. A balanced fertilizer is one which contains all three, and gives a complete diet to the crop. And the composition of a balanced fertilizer is commonly expressed in a formula of three numbers with hyphens between, thus 5-8-7. The first indicates the proportion of nitrogen; the second, the proportion of phosphates; the third, the proportion of potash.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125, and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of $2.00 or more. **This does not include granulated Peat Moss.** On larger quantities than 250 pounds the customer pays all freight or express charges.

VAUGHAN'S BALANCED PLANT RATION (5-8-7)

Five per cent nitrogen; eight per cent phosphoric acid; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden. It contains in plentiful proportion the chemical elements known to influence plant growth. While not as free from odor as mineral fertilizers, Vaughan's Balanced Plant Ration is thoroughly sterilized and when stored in a detached shed, and handled in the open air, is in no way objectionable.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.75; 50 lbs., $2.60; 100 lbs., $4.25; 500 lbs., $17.00; 1000 lbs., $32.00; 2000 lbs., $60.00.

Jax. Grows velvety lawns, lovely flowers, and luscious vegetables early, easily, economically; dissolves like sugar. You apply it as you sprinkle with a watering can or with a Jaxometer and a hose. One pound of Jax is enough for 200 sq. ft. Jax tabs for potted plants 25c; 1 lb., carton, 45c; 5 lb., canister, $1.50; 25 lb. sack, $5.00; 100 lb. sack, $17.50; Jaxometer, $3.75.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 25 lb. bag, $2.50; 150 lbs., $11.50. Write for booklet.

Sulphate of Ammonia. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.

Price, 25 lbs., $2.10; 50 lbs., $3.45; 100 lbs., $5.75; 500 lbs., $24.00.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards.

Price, 25 lbs., $1.45; 50 lbs., $2.00; 100 lbs., $2.95; 500 lbs., $10.50; 1000 lbs., $18.95; 2000 lbs., $36.50.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3¾ per cent; total phosphoric acid, 22 per cent. Price 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.90; 50 lbs., $2.75; 100 lbs., $4.25; 250 lbs. $10.25; 500 lbs., $17.25; 1000 lbs., $32.50; 2000 lbs., $ 63.00.

REGULAR BONE MEAL.—Price, 25 lbs., $1.80; 50 lbs., $2.50; 100 lbs., $4.00; 250 lbs., $9.50; 500 lbs., $16.75; 1000 lbs., $31.00; 2000 lbs., $60.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins.

Price, 25 lbs., $1.35; 50 lbs., $1.95; 100 lbs., $3.00; 500 lbs., $10.90; 1000 lbs., $18.40; 2000 lbs., $35.75.

Clay's Fertilizer. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing.

Price, 7 lbs., $1.65; 14 lbs., $2.75; 28 lbs., $4.35; 56 lbs., $7.60; 112 lbs., $13.50.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash.

Price, 1 lb., 25c; 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.00; 50 lbs., $3.50; 100 lbs., $6.00.

Agricultural Gypsum. A high grade lime product for sweetening heavy and sour soils.

Price, 5 lbs., 30c; 10 lbs., 50c; 100 lbs., $2.25; 500 lbs., $9.00.

Super Phosphate. Twenty per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.

Price, 25 lbs., $1.45; 50 lbs., $2.10; 100 lbs., $2.95; 250 lbs., $6.50; 500 lbs., $10.95; 1000 lbs., $19.50; 2000 lbs., $38.00.

Orchid Peat. Very useful for orchids and azalias. Price, $3.75 per sack of about 2 bushels.

Granulated Peat Moss. A moisture-retaining humus. An important aid in saving soil fertility; better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bale, about 50 lbs., $2.25; bale of about 180 lbs., $5.00. Delivery charges extra.

Nitragin. **The Original Legume Inoculator.** Alfalfa, All Clovers, Vetch, Peas, Beans; ¼ bu. size, 30c; ½ bu. size, 45c; 1 bu. size, 70c; 5 bu. size, $3.35.

Special Prices. Soy Beans and Cow Peas; 1 bu. size, 30c; 2 bu. size, 50c; 5 bu. size, $1.05; 10 bu. size, $1.75.

Garden Size, for Peas, Beans and Sweet Peas, only 25c.

Always state kind of seed—legumes only.

Vaughan's Lawn and Garden Fertilizer (5-8-6)

Five per cent nitrogen; eight per cent phosphoric acid; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.95; 50 lbs., $3.00; 100 lbs., $5.00; 250 lbs., $12.00; 500 lbs., $21.75; 1000 lbs., $42.50; 2000 lbs., $80.00.

VAUGHAN'S CONCENTRATED PLANT FOOD. A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer It contains all the chemical elements known to be of value as plant food.

Package containing food for 20 plants for 3 months; large package containing sufficient plant food for one year. Directions in package. Small packages, each, 20c, if by mail, 25c; large packages, each, 30c, if by mail, 35c.

Stim U Plant Tablets. A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are therefore very convenient for house use. Package of 30 tablets 25c; if by mail, 30c.

Pulverized Limestone. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Packed in cotton sacks—not paper. Price, 100 lbs., $1.75; 500 lbs., $5.50; 1000 lbs., $9.00; 2000 lbs., $17.00.

Nitrate of Soda or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.

For the Home Garden apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.10; 50 lbs., $3.50; 100 lbs., $5.85; 500 lbs., $25.95; 1000 lbs., $45.00; 2000 lbs., $89.00.

Write for prices on larger quantities.

Nitrophoska. A highly concentrated inorganic fertilizer clean and odorless. 15 per cent Nitrogen, 30 per cent phosphoric acid and 15 per cent Potash. 1 lb., 50c; 5 lbs., $2.00; 10 lbs., $3.00; 25 lbs., $5.00; 50 lbs., $9.00.

Write for prices on larger quantities.

Muriate of Potash. Imported Potash once again available, should be used liberally, especially for all root crops.

Price, 25 lbs., $1.85; 50 lbs., $2.75; 100 lbs., $4.35; 250 lbs., $9.60; 500 lbs., $17.95.

Scotch Soot (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms.

Price, 25 lbs., $2.15; 50 lbs., $3.70; 100 lbs., $6.45; 500 lbs., $28.50.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.40; 50 lbs., $1.95; 100 lbs., $3.00; 500 lbs., $10.90; 1000 lbs., $18.40; 2000 lbs., $35.75.

Vert. Vert is a complete, balanced fertilzer, 5-8-6 formula, containing no inert matter and entirely odorless. It provides all elements of plant food necessary for lawn, flowers, vegetables, fruits, trees or shrubs, in water soluble form, quickly available. It is stained green and comes in green bags. Price, 5 lb. canister with perforated top, 50c; 25 lb. bag, $1.75; 50 lb. bag, $3.00; 100 lb. bag, $5.00.

Vigoro. Is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. The cost is only 10c to 20c for every 100 square feet. It is clean, odorless, easily sown by hand like grass seed. Complete directions in every bag. Price, 5 lbs., 50c; 25 lbs., $1.95; 50 lbs., $3.00; 100 lbs., $5.00.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 50c; 5 lbs., $2.00; 25 lbs., $5.00; 50 lbs., $9.00.

Write for prices on larger quantities.

Insecticides and Fungicides

Unmailable—Insecticides Containing Poison CANNOT be Sent by Mail—by Express Only

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup, price, 95c; extra jars each, 15c. 4 oz. bottle syrup, 45c. Pint bottle of syrup, 95c; gal., $3.75.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.

APHINE. 1 pt., 75c; 1 qt., $1.00; 1 gal., $3.00.

BLACK LEAF 40, is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; ½ lb. can, $1.25, makes 40 to 100 gallons; 2-lb. can, $3.25, makes 200 to 500 gallons; 10-lb. can, $11.85, makes 840 to 2100 gallons.

LIME SULPHUR. (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 45c; 1 gal., $1.00; 5-gal. can, $4.00. Write for prices in barrel lots.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., $1.50; 25 lbs., $4.50; 100 lbs., $14.00.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 4 lbs., $1.50; case of 24 lbs., $5.25.

CALCIUM, ARSENATE. (Dry.) Lb., 50c; 4 lbs., $1.60.

CARBON DISULPHIDE. For ants and cut worms. 1 lb., 50c; ¼ lb., 25c.

DERRISOL. Is an odorless nonpoisonous liquid, which will control sucking insects like aphis, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 oz., $1.20; 2 lbs., $3.00; 10 lbs., $12.00.

EVERGREEN. Non-poisonous insecticide. Oz. bottle, 35c; 6-oz. bottle, $1.00; 16-oz. bottle, $2.00; 32-oz. bottle, $3.50; gallon bottle, $13.00; 5-gal. drum, $50.00.

FLOWERS OF SULPHUR. Lb., 15c; 10 lbs., $1.00; 50 lbs., $3.75; 100 lbs., $6.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., $1.25; 10 lbs., $2.25.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pint, 75c; 1 qt., $1.10; gal., $3.00.

GO 4. It. kills chewing and sucking insects, also aids in blight control, all weighed out and measured in unit doses for a pint, quart or gallon. Price, per pkg. of 24 pint doses, $1.00.

GRAPE DUST. Excellent for the prevention and destruction of mildew on plants. 5 lbs., 95c; 10 lbs., $1.80.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., $2.50; 10 lbs., $4.50.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 40c; pt., 65c; qt., $1.10; ½ gal., $1.75; gal., $3.00; 5 gals., $12.00.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 1-lb. tin, $1.00; 5-lb. tin, $3.75; 10-lb. tin, $6.85.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent. nicotine. ¼ lb., 75c; 1 lb., $2.00; 4 lbs., $6.25; 8 lbs., $11.50.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, $1.25; 144 sheets, $5.00; 288 sheets, $8.75.

Pomo-Green The new green Fungicide for roses and other flowers and ornamentals; will control black spot, mildew, and chewing insects. Lb., 50c; 5 lbs., $1.50; 25 lbs., $7.00.

WONDER-GROWTH Insecticide, Fumigant and Fertilizer. A finely ground ALL Tobacco Insecticide, Fumigant and Fertilizer. Very effective in all three of its uses. A very excellent plant food for flowers, lawns, gardens, and shrubbery. 25 lbs. $1.75; 100 lbs., $4.75.

ACME ALL ROUND SPRAY. The latest improvement in the insecticide field, one product which will combat blight and fungus diseases, control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per ¼ lb., 45c; 1 lb., 95c.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.45; 50 lbs., $2.25; 100 lbs., $3.50.

ARSENATE OF LEAD. (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb., 50c; 4 lbs., $1.75; case of 32 lbs., $9.00; 100 lbs., $22.00.

PYROX. Kills all leaf-eating insets, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 50c; 5 lbs., $1.75; 10 lbs., $3.00; 25 lbs., $6.25; 50 lbs., $10.75; 100 lbs., $15.50.

NIKOTEEN. 30% grade. For Spraying and Fumigating. Oz. bottle, 35c; ½ pt., $1.10; pt., $2.00; 3 pts., $5.75; original case 10 pts., $18.00. 40% grade. 4 lbs., $7.00; 8 lbs., $13.50.

PARIS GREEN. A poisonous insecticide in powder form, for insects which chew. ¼ lb., 20c; ½ lb., 35c; per lb., 55c; 5 lbs., $2.50; 14 lbs., $6.00.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings Gladiolas and disinfection of seed bed soil. Prices, 2 oz., 50c; 1 lb., $2.75; 5 lbs., $13.00; 25 lbs., $56.25; 100 lbs., $220.00. Write for leaflets, stating for what purpose desired.
Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SNAROL. An insecticide bait to combat snails, cutworms, sow bugs and grasshoppers. Price, 1 lb., 45c; 3 lbs., 95c; 15 lbs., $3.50; 50 lbs., $9.50.

SULPHO TOBACCO SOAP. One of the best remedies for greenfly on roses and house plants. Per ½-lb. box, 25c; by mail, 30c. 3 oz. package, each, 15c; by mail, 20c.

SCALECIDE. An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 75c; gal., $1.75; 5 gals., $6.25; 10 gals., $10.60. Write for price in barrel lots.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5 lb. package, 60c; 25 to 50 lbs., at 10c per lb. Per keg, 125 lbs., $12.00; barrel, 250 lbs. in bulk, $23.00.
Slug Shot Duster. ½ gal. size, 60c.

SHEPS PLANT SPRAY. An effective non-poisonous solution that kills and controls both sucking and chewing insects. 2 oz. bottle, 35c; ½ pt., 75c; pt., $1.25; qt., $2.00; gal., $6.35; 5 gals., $30.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 85c; qt., $1.25; gal., $3.75.

TOBACCO DUST. (Regular Grade.) 5 lbs., 35c; 10 lbs., 60c; 100 lbs., $4.00.

TOBACCO STEMS. 100 lbs., $2.50; 500 lbs., $9.50; 1000 lbs., $18.00.

TREE TANGLEFOOT. Perfect safeguard for trees. Lb., 60c; 5 lbs., $2.75; 10 lbs., $5.25; 25 lbs., $11.00.

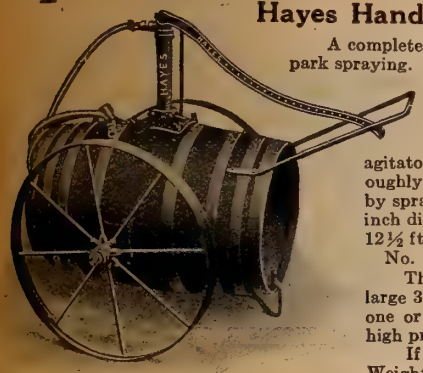
VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pint, 50c; pint, 75c; quart, $1.10; gal., $3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. ½ pint, 50c; pint, 75c; qt., $1.00; gal., $3.00; 5 gal., $12.00.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew scale, etc. Price, ½ pint, 40c; quart, $1.00; gallon, $3.00; 5 gallons for $12.00.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphis, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $30.00. Write for leaflet.

Sprayers, Dusters for Insecticides



Hayes Hand Barrel Sprayer Cart Outfit B 1821

A complete spraying outfit for small orchards, large estates or public park spraying. An excellent general purpose farm sprayer for disinfecting, whitewashing, field, garden and orchard work.

Pump air chamber is all steel, of large capacity and maintains uniform pressure and makes for ease of operation. The handle is long and powerful. Twin paddle agitators pass on both sides of strainer and stir solution thoroughly. All working parts are bronze or brass to resist corrosion by spraying chemicals. Cart: Steel wheels, malleable hubs, 30 inch diameter, 2½ in. tires securely mounted to 50 gallon barrel. 12½ ft. half-inch spray hose, nozzle and fittings.

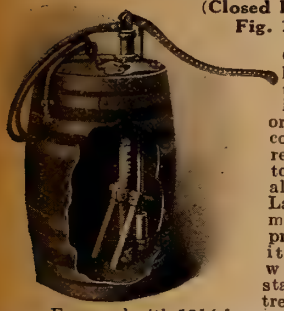
No. 1821B equipped as above. Weight, 170 lbs., **$36.00.**

The Jumbo pump has a 2½ inch cylinder and an extra large 3 inch boiler tube air chamber which enables it to handle one or two leads of hose, and develop sufficient capacity and high pressure to do a first class job.

If wanted with Jumbo Barrel Pump order No. 1921B. Weight, 181 lbs., **$40.00.**

Hand Barrel Sprayers

(Closed Barrel)
Fig. 182



Construction similar to open barrel type with all working parts of bronze or brass to resist corrosion. Pump rests solidly on bottom of barrel and is always submerged. Large air chamber maintains uniform pressure and makes it unnecessary to work pump constantly. Develops tremendous pressure. Equipped with 12½ ft. spray hose, nozzle and fittings. **Price,** without barrel, **$14.35. Price,** with barrel, **$22.50.**

BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, **$4.75.**

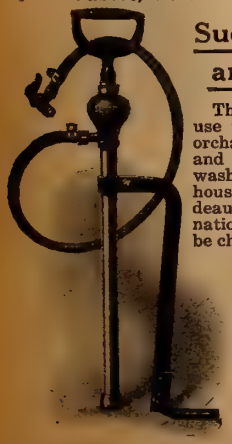
Wheelbarrow Sprayer

See page 107 for insecticide nozzles.

No. 1721 F

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 12½ gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. **Price, $24.00.**

Shipping weight, 80 lbs. **Wheelbarrow,** same capacity as the above, with smaller pump, each, **$15.00.**



Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and automobiles or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream, solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, without bucket, **$7.00.**

Myers Little Giant Spray Pump

with agitator, complete with hose and combination fine or coarse spray and solid-stream nozzle, with malleable foot rest. **Price,** complete, **$5.00,** without bucket.

The Auto Spray

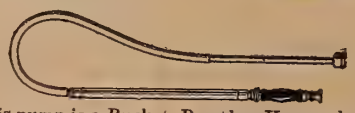
Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, **with Auto Pop, $6.50;** solid brass reservoir, **with Auto Pop, $9.00.** Extension rods, 2-foot lengths, **50c.** Two-row attachments, **$1.50.**

Hudson Sprayer

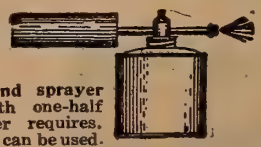
The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized steel, **$6.50;** all Brass, **$9.00.**

Standard Spray Pump



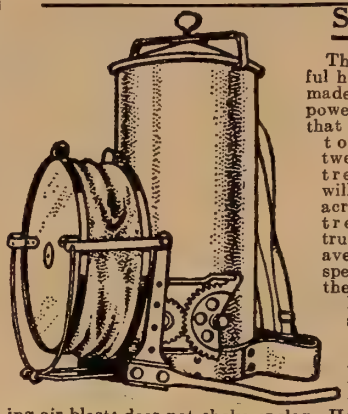
This pump is a Bucket, Barrel or Knapsack pump as desired. **Price, $5.00;** with knapsack and curved extension, **$9.25.**

Pneumatic Sprayer



Compressed air **hand sprayer** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank **$1.25;** Brass Tank. Each, **$2.00.**

The American Beauty Dust Sprayer



The most powerful hand duster made. Has a large, powerful bellows, that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. **Price, $18.00.** Write for leaflet of the American Beauty Dust Sprayer.

Peerless Blower

The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses. A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, **$9.00.**

Little Giant

The best dry powder gun; will distribute any dry insecticide. Will do as much work in a day as horse-power sprayer.
Price, $10.00.

Feeney Model B Duster

Splendid Hand Duster, Each.....**$1.25**

Duster, Lowell

Handy for dusting any powder. Operated same as hand sprayer. Each, **85c.**

The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. **Price,** each, **85c.**

Powder Bellows

For dusting with sulphur or like material.
No. 11. Length, 17 inches over all. Each, **$2.50**
No. 16. " 21 " " " Each, **3.50**

Powder Gun, Cyclone

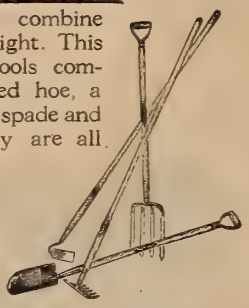
Small size, **20c.** Jumbo size, **45c.** Postage, extra, each **5c.**

Novelty Garden Tools, Supplies

HAWK'S FERTILIZER SPREADER

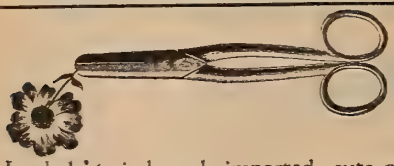
Distributes any kind of commercial fertilizer quickly, easily and in the required amount; the constant tumbling of the contents keeps it thoroughly mixed, and the one simple adjustment insures the correct distribution of the required amount. Its ease of operation makes the work a pleasure; simply fill the cylinder through the large end opening and adjust for the required amount. Holds about 50 lbs. Shipping weight, approx., 35 lbs. Price, $11.85.

LADIES' AND YOUTHS' SET OF GARDEN TOOLS



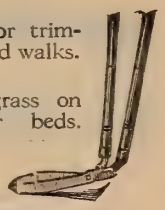
Well constructed; combine strength and light weight. This set of light-weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, $4.35.

FLOWER GATHERING SCISSORS



Henckels' twin brand, imported, cuts and holds the flowers. Nickel-plated, finest quality. Price, $3.00; if by mail, add 15c for postage.

SHEARS



Border—Long handle for trimming the edges of borders and walks. 9-inch, $4.75.

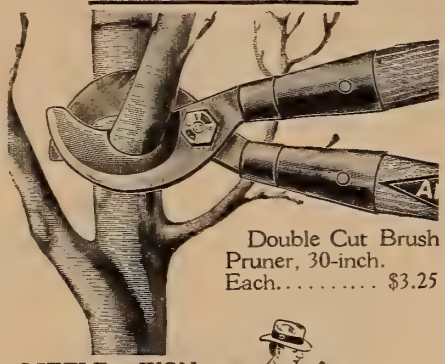
Grass—For trimming grass on edges and around flower beds. Each, 50c.

Grass—Best quality steel, 6-inch blade, $1.35.

Vaughan Doo-Klip Grass Shear. Each, $1.50. By mail, $1.60

Doo-Klip

DOUBLE CUT PRUNER



Double Cut Brush Pruner, 30-inch. Each..... $3.25

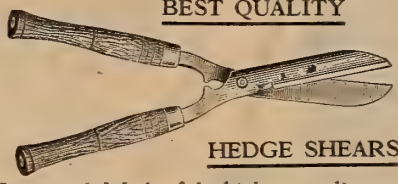
LITTLE WONDER Hedge Trimmer. Will trim your hedge five to ten times faster than hand shears. Attachments come with each machine to adapt it to flat, round or pivot tops as well as side cutting; 40-inch. Each, $27.50.

Side-cutting carriage for hedge trimmers, $4.50.

Illustration shows trimmer with side-cutting carriage.

Write for prices on The Electric Little Wonder Hedge Trimmer

BEST QUALITY



HEDGE SHEARS

Imported. Made of the highest quality steel. These shears can be used both for trimming hedges and cutting grass under fences, bushes, etc. Steel blades. Tang extends through handles, riveted, making handles fast.

8-inch with Notch $3.00; 9-inch with Notch $3.25; 10-inch with Notch $3.50.

NEW WALSPEER PLANT STAND

No more lifting of plants—saves floors and carpets—easy to wheel. Drip pan can be removed. For medium size plants, each, $1.75; for large size plants, each, $2.25. If shipped from New York, medium size, $1.50; large size, $2.00.

Hotkaps

New Method of Plant Protection

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, $11.50; 5,000 lots, $11.00 per M 10,000 lots, $10.75 per M; 250 Trial Package including Garden Setter with Tamper, $4.00; 100 Home Package, including Garden Setter with Tamper, $2.50; Germaco Hotkap Steel Setter with Tamper, $2.50; postage extra. Wt.: 1,000 package HOTKAPS, 26 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.

POTTERY BIRD BATH

24 in. high, 17½ in. diameter, made of high-grade vitreous pottery. Absolutely weather and frost-proof. Very artistic. Beautiful brown color. Approximate weight 40 lbs. Price $6.00.

POTTERY WREN HOUSE

Maintains even temperature. Easily cleaned. Removable wood bottom. Hole just the right size, is much liked by this great songster. A real decoration to your garden, approximate weight 8 lbs. Price, $1.25.

No. 25 LADIES' PRUNING SHEARS

Nickel-plated of best steel, 6 inches long (illustration shows the shears ½ natural size). A tool every lady gardener should have, will cut flowers, branches, and dead limbs with greatest ease. Will last a lifetime. Each, $1.50; postpaid, $1.60.

Mulch Paper for Your Garden

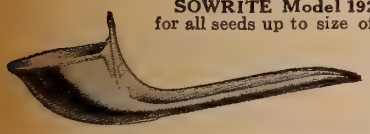
Both state and federal experiment stations have proved the value under American conditions of the paper mulch method which was originated by Charles F. Eckart on Hawaiian sugar plantation. For the home gardener the paper mulch is invaluable. Laid down between the rows, it (1) makes cultivation unnecessary; (2) increases moisture in soil and does away with irrigation; (3) increases yield enormously.

Gator-Hide mulch paper, impregnated with asphalt. Type A, 300 lineal yards, 18 in. wide, approximately 30 lbs., $3.50 per roll. 36 in. wide, approximately 60 lbs., $7.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18 in. wide, approximately 30 lbs., $3.50 per roll; 36 in. wide, approximately 60 lbs., $7.00 per roll.

Small garden size roll, 45 lineal feet. Price $1.00; by mail, $1.25.

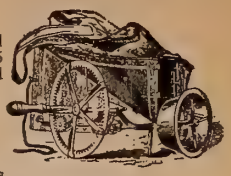
Sowrite Seeds Sower

SOWS SEEDS AT A TOUCH



SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, **$1.25,** postpaid.

CAHOON SEEDER



It will seed evenly five to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs. Price, **$4.50.**

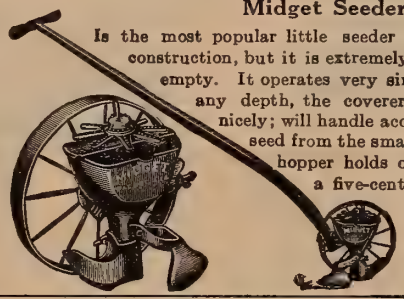
MASTERS RAPID PLANT SETTERS

For transplanting all kinds of plants —Cabbage, Tomato, Cauliflower, Peppers, Astors, Chrysanthemums and similar plants. Each plant is set, watered and covered in one operation without stooping and without lame backs. This setter is a labor saver and does perfect work. Fully guaranteed. Price, **$6.00** each.

SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, **$2.25.**

Midget Seeder With Handle



Is the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4½-foot handle. Full directions attached to every Seeder.

Price, $4.25

Planet Jr. Garden Tools

72-PAGE GARDEN MANUAL FREE. WRITE FOR YOUR COPY NOW

We carry the complete line of Planet Jr. Seeders, Cultivators and Hoes. Write us for price list.

No. 12 Planet Jr. Double and Single Wheel Hoe

A combination of Double and Single Wheel Hoe that has become the most popular in this and other countries. As a double wheel hoe the row can be straddled and worked both sides until the plants are 20 inches high. Then as a double or single wheel hoe, the crops can be cultivated both sides of the row and in the middle, thoroughly and quickly. Can also be used as a single wheel hoe wherever desired. The cultivating attachments permit one to do all the necessary plowing, opening and closing of furrows, hilling of plants and all the garden cultivation required. The side hoes break up the crust, kill the weeds, and pulverize the soil, which prevents evaporation of the required moisture. Rakes, Disc Hoes and other attachments can be added at any time. See Page 80 of the Planet Jr. catalog.

Equipment: Pr. 6-inch Hoes, 4 Steel Cultivator Teeth, Pair Plows, Two Leaf Guards

No. 12 Price, $10.75

No. 11 same as No. 12 with extra Cultivator teeth, extra pair side hoes, and pair 3 tooth rakes and a pair of 5 tooth rakes. **Price, $13.75.**

No. 25 Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow

The **No. 25 Combined Seeder, Double and Single Wheel Hoe** is recognized by hundreds of users and recommended by them as being the "Complete Gardener." It sows practically all vegetable seeds, either in hill or drill, accurately and without waste. Practically any kind of cultivating can be done at any stage of growth of various crops with the variety of cultivating tools furnished with this machine.

It is valuable to gardeners or farmers who have enough acreage for a Double Wheel Hoe to be used, and yet prefer not to buy Seeders and Wheel Hoes separately, also for onion growers and for the large family garden where both a Single and Double Wheel Hoe can be used to advantage. The hopper holds four pounds of onion seed. It is thoroughly substantial and accurate in planting. Its simplicity, both as a seeder and as a wheel hoe, makes the combination thoroughly satisfactory.

Price $21.50

Holds 2½ qts. Weight, complete, 61 lbs. Equipment: One pair of 6-inch hoes; Four cultivator teeth; One pair plows; Two leaf guards; One marker. All oil tempered.

No. 19 Planet Jr. Garden Plow and Cultivator

Especially made for farmers' table garden. Here is a complete garden cultivator and plow, and although very moderate in price, will take care of all the cultivating in your garden, whether it be large or small, as well as doing all the necessary plowing, opening and closing of furrows, hilling up plants, and other work. The assortment of cultivating attachments is very complete, everyone being of special design; and the work that they will do will make you wonder how you ever handled your garden without this tool.

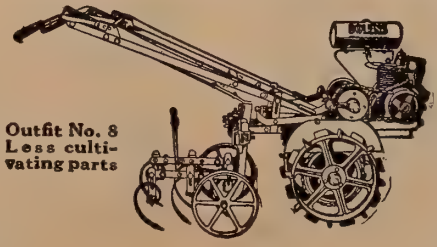
No. 19 Price, $6.00

Equipment: One 2-in. Cultivating Tooth; One 10-in. Sweep; One plow; 5-Prong Cultivating Attachment; 15-inch Steel Wheel.

Bolen's New Model "DJ" All-Purpose Garden Tractor

For the gardener, the florist, the nurseryman and suburban resident. The BOLENS will plow, disc, seed, cultivate, mow the lawns or operate a mowing machine to cut hay, weeds, etc.

This is just the machine you need: any good-sized boy or girl can run it and do most accurate work. BOLENS is unlike other Garden Tractors because it has a power turn, absolutely accurate tool control, and ample clearance for all crops. There is no other machine like a BOLENS.



Outfit No. 8 Less cultivating parts

We have used BOLENS tractors in our Vaughan's Nursery the past eight years and would not be without it.

Tell us the work you wish to do and we will give prices on the BOLENS and the exact equipment needed to your work.

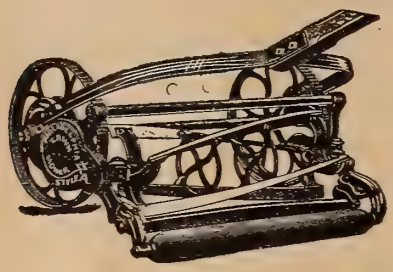
LAWN MOWERS
LAWN ROLLERS
LAWN TRIMMERS

We Supply Everything

The Genuine Philadelphia Lawn Mowers

FOR HALF A CENTURY THE STANDARD OF QUALITY

THE genuine Philadelphia Lawn Mowers are the recognized standard for high-class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. The knives are made of vanadium crucible steel, and do not require constant sharpening. The bearings are easier running than ball-bearings, and do not become clogged with dirt. A lawn mower of this quality for home use will be the best labor-saving device one could invest in—always sharp, easy running and going for years without the need of repair. We list the three highest grade machines made by the Philadelphia company. Write for catalog.



Philadelphia Lawn Mowers

Style A. High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side.

15 in.	17 in.	19 in.	21 in.
$21.00	**$23.50**	**$26.50**	**$29.00**

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
$17.00	**$19.00**	**$21.00**	**$23.00**

Perfection Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering.

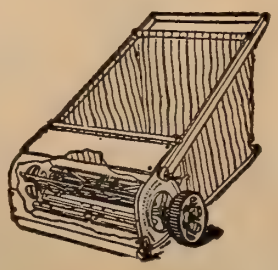
No.		Each
301	Adjustable to mowers 12 to 16 inches	**$1.45**
306	Adjustable to mowers 16 to 20 inches	**1.75**

Write for prices and booklet on Motor Mowers.

IDEAL LAWN EDGER

For trimming around edges of lawns and walks. A remarkable tool for any lawn. Adjustable to any grade, and will run close to the walks. Keep knife sharp. Do not use on soaking or wet ground. Each.....**$3.25**

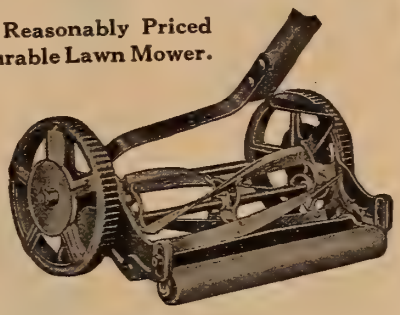
Gem Lawn Sweeper



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. **Price, 24-inch wide, each, $34.00.**

Pilot Ball-Bearing

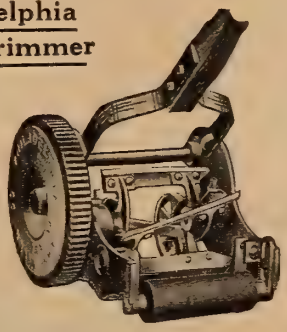
A Reasonably Priced Durable Lawn Mower.



Drive Wheels—9 inches; open spoke design; revolve on steel bearings.
Reel—5½ inches in diameter; malleable spiders; steel shaft.
Gears—Double; one in each wheel; flat steel pawls
Blades—Four crucible tool steel, hardened and tempered.
Ball-Bearings—Self-adjusting; dust-proof.
Bottom Knife—Tool steel; self-sharpening.
This mower is very graceful in outline and one of the easiest-running machines on the market. Handsomely finished in aluminum bronze with blue and gold decorations.

14-inch	16-inch	18-inch
$11.00	**$11.50**	**$12.00**

Philadelphia Lawn Trimmer



Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. **Price, each $10.50, complete.**

Moto Mower

City model for moderately sized lawns. It will cut 2½ to 3 acres of lawn per day. It is compactly built, has a 21-inch cut, one-horse power. **Price, $188.00.**
Detroit model, 27-inch cut, 2½-horse power. **Price, $280.00. Write Us for Pamphlet.**

Sod Lifter

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle 2¾ feet. Length over all, 4 feet. **Price, each, $2.25.**

TURF EDGER

American..... Each, **$1.25**

Genuine Dunham Water-Weight Lawn Rollers

Water Ballast Lawn Rollers, steel handles, rolle bearings, acetylene welded drums with anti-turf-tear ing tires, positively non-rust shut water entrance The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.

No.	Diam. in.	Length in.	Sec-tions	Wt., empty	Filled water	Price
WB5.....	18	24	1	85	265	**$17.50**
WB7.....	24	24	1	110	420	**20.00**
WB9.....	24	32	1	130	565	**22.50**

Dunham rollers with plain bearings slightly lighter than the roller-bearing rollers.

No.	Diam. in.	Length in.	Sec-tions	Wt., empty	Filled water	Price
WB2.....	14	24	1	68	175	**$12.00**
WB4.....	18	24	1	82	265	**14.00**

Write us for price and leaflet on Dunham Water-Weight Horse and Tractor Rollers.

THE RICHMOND SOD CUTTER

A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width, is taken out at the start. **Price, $40.00.**

Perfection Lawn Edger

This is the greatest invention devised for edging lawns. It is simple and efficient.

Place the stub upon the sidewalk or curb, holding handle well up, with cutter blade down. Use short, firm stroke, forward and back. With each backward stroke the edge is allowed to clear and will prevent clogging. **Price, $2.25.**

Berghman Lawn Mower Sharpener. A high-grade durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. **Price, $1.00.**

No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. **Price, $1.75.**

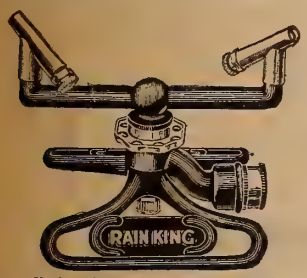
for the Lawn, Etc.

HOSE REELS,
SPRINKLERS,
RAKES, EDGERS, ETC.

GARDEN NON-KINKABLE HOSE

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with snap hose couplings if advised when ordering. **Price,** ¾-inch or ⅝-inch, per 25 feet, **$4.75;** 50 feet, **$9.25;** 100 feet, **$17.50.**

STANDARD RAIN KING



Combines all the best features of both stationary and revolving sprinklers. Waters the largest lawns or the smallest corners, strips and odd-shaped places. Sprinkles in two directions at once or concentrates wherever water is wanted. Gives a gentle mist, a soaking downpour or light shower—all at instant command.

Each nozzle a complete sprinkler with full range of direction, distance and volume. Instantly set for either stationary or whirling spray. Nozzles set instantly for any spray. Operate independently or together. Distributes water perfectly under any pressure. When set to revolve, regulates to run fast or slow, to cover small or large circle.

Nothing to get out of order. Built for hard work and built to last. Bearings are hardened and machined to precision standards. A strong, sure-working sprinkler that is a trade builder.

Weight, 3 lbs. Packed one to a carton. Price, each,..... **$3.50**

LINCOLN PARK OR BUTTERFLY

Cheapest and best Sprinkler made. Each, **35c.**

Mounted on stand: 2-foot, **95c;** 4-foot, **$1.10;** 6-foot, **$1.25.**

THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. **Each, 70c; 3 for $2.00.**

RAIN DROP SPRINKLER

The most versatile sprinkler on the market—adjustable, fountain, nozzle, spray.

Meets every demand for a good lawn sprinkler as it can be adjusted to water along the walk without wetting pedestrians; can be used as a fountain spray, with a spread of thirty feet or more, or for distant points, narrow strips of lawn, gardens, etc., the rose top can be replaced with the hose nozzle and adjusted to suit conditions. **Price, $1.50.**

FOUNTAIN SPRINKLER

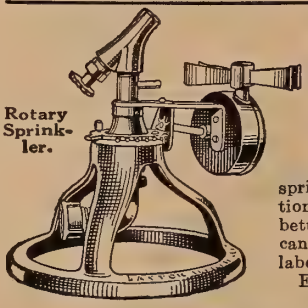
The mist-like spray that has made the name Fountain known all over the land. Each, **75c;** by mail, **85c.**

AUSTRALIAN SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2-foot, **95c,** 4-foot, **$1.10;** 6-foot, **$1.25;** 8-foot, **$1.35.**

ROTARY and OSCILATING SPRINKLER



Rotary Sprinkler.

This sprinkler is adjustable at will from bell-shaped spray or full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, **$10.00.**

CRESCENT SPRINKLER

Rainking. The nozzle that gives satisfaction. Easy to adjust, from the finest spray to long stream. Price, **$1.50.**

Price, 65c. By mail, 80c.

PERFECT CLINCHING COUPLER

¾-inch, per pair, **30c;** doz., **$3.00.**

Perfect Clinching Hose Mender

A self-fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. ¾-inch, each, **15c;** doz. **$1.50.**

HOSE COUPLER

Brass. For ½ or ¾-inch hose. Each, **20c;** doz., **$1.80.**

HOSE CLAMPS

Bull Dog. Each, **7c;** doz., **70c,** Prepaid.

HOSE STRAPS

Caldwell. Used in fastening coupler on hose. Each, **5c;** doz., **40c.** Pliers for same, **35c.**

THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **10c;** doz., **$1.00;** 1-inch, each, **12c;** doz., **$1.25;** postage, **5c** doz., extra.

Iron Mender. For ¾-inch hose, each, **7c;** doz., **70c.**

HOSE WASHERS. ¾-inch, per doz., **5c;** gross, **50c.**

HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each. **85c;** by mail, **95c.**

Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. Each, **$1.45;** by mail, **$1.55.**

Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream. ¾ inch, each **70c;** by mail, **80c.**

LAWN RAKES

Automatic Self-Cleaning A backward motion of the operator clears all the teeth at once. **Each, $1.50.**

Lawn Queen. Wire teeth reversible head; 24 teeth, **each, 95c;** 36 teeth, **$1.35.**

HOSE REEL—ALL IRON

Very light, frictionless; wheels being so high are very easily worked; no tipping when winding or unwinding hose.

No. 10 for 100 ft. ¾-in. hose.....**$3.50**

No. 20 for 150 ft....**$6.00**

Donley's, all steel **Each, $3.00.**

INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **45c extra.**

Bordeaux Nozzle. Each, **$1.00;** by mail, **$1.05.**

Vermorel Nozzle. Each, **$1.00;** by mail, **$1.05.**

"HERBICIDE"

THE WEED EXTERMINATOR

For ordinary grass and weeds each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., **70c;** gal., **$2.00;** 5 gals., **$7.50;** 10 gals., **$12.50;** 30 gals., **$30.00;** 50 gals., **$45.00.**

Reade's non-poisonous weed killer, qt. can, **70c;** gal., **$2.00;** 5 gals., **$8.00.**

Reade's NON-POISONOUS Weed Killer

PURFECK

Chickweed Eliminator; kills only the chickweed and does not injure the grass, making it unnecessary to dig out the patches where chickweed appears or replant or resod such portions of the lawn or turf. Price, qt., **75c;** gal., **$2.00;** 5 gals., **$9.00.**

ATLACIDE

Non-poisonous Weed Killer Duster, especially recommended for obtaining weed-free driveways, paths, tennis courts, and gutters. 1 lb. Duster kills 100 sq. ft. of weeds, price, **50c;** 3½ lb. Duster kills 350 sq. ft. of weeds, price, **$1.50.** Write for prices on larger sizes.

GRASS HOOKS OR SICKLES

English. Riveted back. Each....**85c**

Domestic. Best quality.....**85c**

Kelly No. 4. Perfect grass hook. Each, **75c.**

SCYTHE BLADES

Kelly Cloverleaf Dutch grass scythes, 32 inch each **$1.75.**

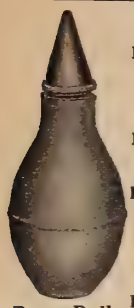
English, riveted back, 30-inch, **$2.75;** 36-inch **$3.00.**

Scythe Snath, each, **$1.75.**

Scythe Stone. Natural, **15c each.**

Owing to the fluctuations of the market, prices are subject to change without notice.

GLAZING MATERIALS AND POTS



MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, $2.95.

MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, $3.50.

PUTTY. Tw mlow's Old English. Semi-liquid. Same as Mastica. Per gallon, $3.00.

Putty Bulb

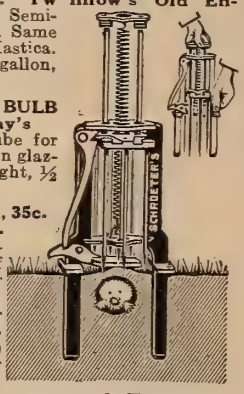
PUTTY BULB Scollay's Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, ½ lb.) Each, $1.75.

PUTTY KNIFE. Each, 35c.

MOLE TRAP IMPROVED, with patented setting attachment. One of the best mole and gopher traps. Each, $2.00.

MOSS. Sphagnum. Burlapped bales. Ea., $2.25.

SHEET MOSS. (Green) Freshly gathered; for Windows, Boxes, etc. Per sack, $2.75.



Mole Trap

POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

	Doz.	100	1000		Doz.	100	Each
2 in..	$0.35	$1.60	$11.00	6 in.	$1.35	$ 8.50	.....
2½ in.	.40	1.80	13.75	7 in.	1.80	12.95	.....
3 in...	.50	2.75	17.50	8 in.	2.25	17.20	.....
4 in...	.65	3.50	.....	10 in.	.....	.....	$0.60
5 in...	.85	6.00	.....	12 in.	.....	.....	.90

PANS (Azalea)	Each	Doz.		Each	Doz.
6 in.....	$0.15	$1.35	9 in.....	$0.35	$3.50
7 in.....	.20	1.80	10 in.....	.60	.....
8 in.....	.25	2.25	12 in.....	.90	.....

PANS (Fern)	Each	Doz.		Each	Doz.
6 in.....	$0.15	$1.35	8 in.....	$0.25	$2.25
7 in.....	.20	1.80	10 in.....	.60	5.50

SAUCERS Clay.

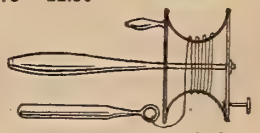
	Doz.	100		Doz.	100
5 in.....	$0.60	$3.75	9 in.....	$2.00	$13.50
6 in.....	.85	5 25	10 in.....	2 85	.....
7 in.....	1.10	7.50	12 in.....	4.20	.....
8 in.....	1.45	9.00			

NEPONSET PAPER POTS. Made of water-proof paper, light, clean and unbreakable.

	Doz.	100	1000
2¼ in....	$0.14	$0.70	$ 4.75
2½ in....	.17	.85	5.40
3 in....	.20	1.10	7.90
3½ in....	.25	1.25	8.50
4 in....	.28	1.45	11.50
5 in....	.35	2.15	17.50
6 in....	.40	2.75	22.50

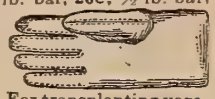
GARDEN LINE REEL. (weight, 2 lbs). Each, $1.25.

GARDEN LINE. Each heavy braided. Per 96 feet, $1.00; by mail, $1.10.

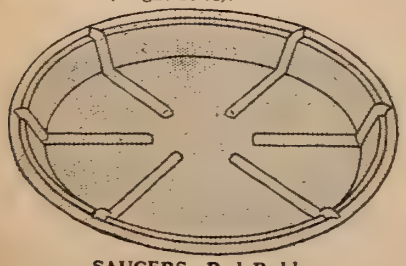


GRAFTING WAX.—Per ¼ lb. bar, 20c; ½ lb. bar, 35c; 1 lb. bar, 60c.

GLOVES—Gardener's. Per pair, $1.85.



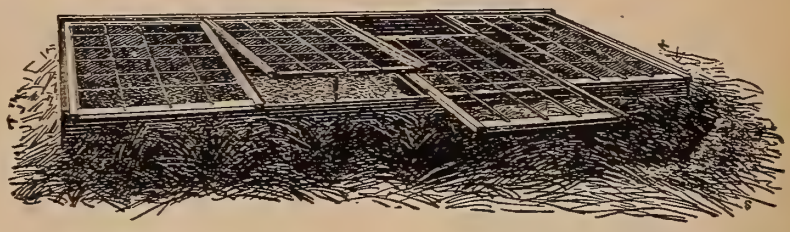
DIBBER. For transplanting vegetable plants; steel point. Each, 95c (weight 10 oz).



SAUCERS—Red Rubber

	Each	Doz.		Each	Doz.
4-inch....	$0.16	$1.60	8-inch....	$0.45	$ 4.50
5-inch....	.20	1.85	10-inch....	.75	8.40
6-inch....	.25	2.40	12-inch....	1.00	10.80

Vaughan's Garden



HOTBED SASH

HOTBED SASH—Made of the very finest material. **Unglazed** are not painted. **Glazed,** painted one coat. Single strength glass. Add 95c per sash for double strength.

Size, 3x6 ft., holds 3 rows 10-inch glass.

Unglazed, each, $3.50; 3 for $10.20; doz., $39.00.
Glazed, single strength glass, each, $6.85; 3 for $20.90; doz., $79.20.

Size, 38 inch x6 ft., holds 4 rows 8-inch glass.

Unglazed, each, $3.95; 3 for $11.50; doz., $44.20.
Glazed, each, $7.25; 3 for $21.50; doz., $84.00.

Prices include Crating. F. O. B. Chicago. Prices subject to change without notice.

CEL-O-GLASS

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard $1.85; 25 ft. Roll 3 ft. wide, $12.95.

RED DEVIL GLASS CUTTER. Each, 25c.

GLASS CUTTER DIAMOND. Each, $5.50.

GLAZING POINTS. — Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c.

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., 70c; by mail, 80c.

HOTBED MATS AND PLANT BED CLOTH

Milo Waterproof Hotbed Mats. A combination of heavyweight burlap felt and absorbent pulp, cemented together with a specially prepared water-proof compound absolutely impervious to rain, sleet and snow; proof against frost; repellant to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, $2.85; doz., $28.80.
Size, 76x76 inches. Each, $4.95; doz., $51.00.

IMPORTED REED HOTBED MATS. Superior to straw mats; very durable. Size, 76x76 inches. Each, $2.85; three for $8.00; doz., $30.00.

PLANT BED CLOTH. For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 25c; heavy, 34c; 60 to 100 yds., medium, per yd., 23c; heavy, 32c; not less than 20 yds. of a kind sold.

HOE. Combination Draw and Rake. 4½-inch cut and 4 teeth. Each, $1.25; 6½-inch cut and 6 teeth, $1.35.

English Scuffle or Push. 6-inch, $1.25; 8-in., $1.45. Without handle.

VAUGHAN'S BULB PLANTER. A new handy tool. Each, 85c.

KNIVES

KNIVES.—Asparagus. Straight Cut. Each, 45c; by mail, 50c.

Asparagus. Fishtail. Each, 50c; by mail, 55c.

Budding. Aluminum handle. Each, $1.75; by mail, $1.80.

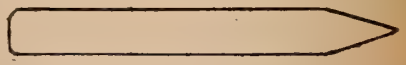
Budding and Prop. Two blades; white handle; brass caps. Each $1.75; by mail, $1.85.

Propagating. "The Vaughan," best of all. Each, $1.25; by mail $1.30.

Pruning. Stag handle, imported. Each, $2.50; by mail, $2.55.

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for $1.00.

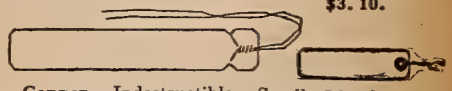
LABELS.—Zinc, Tree. Wired 3¾ inches long, ¾-inch wide. Price per dozen, 25c; 100, $1.75



Wooden. For pots, painted.

	100	1000		100	1000
4-in.....	$0.45	$2.10	6-in.....	$0.55	$ 3.25
5-in.....	.50	2.75	12-in.....	1.45	12.50

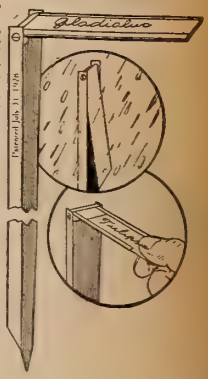
Tree, Copper Wired. 3½ in. 100, 55c; 1000. $3. 10.

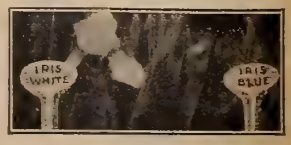


Copper. Indestructible. Small, 25c doz.; 100, $1.75; large, 35c doz.; 100 for $2.35.

Cypress.—For use outside, will last for years. Splendid for Perennial Plants, ⅜-inch thick, 16x1¼ in. Doz., 70c; 100 for $4.75; 18x2 in., doz., 85c; 100 for $5.75.

PEERLESS PLANT STAKES. Non-rusting, made of copper, bearing galvanized metal, no acid painting or special ink necessary. The ordinary lead pencil is the very best thing to use for writing the names. No hunting for some special stake, merely take the first one you come to and change the card. This is very quickly and easily done. 12 in., doz. for $2.00; 25 for $3.75; 100 for $11.00. 18 in., doz. for $2.50; 25 for $4.75; 100 for $12.50.





Plant Markers Oval Top. Made of heavy galvanized sheeting 9 inches long. Price, per doz., $1.00; per 100, $6.50. Special black ink for marking labels, oz. bottle, 95c.

FORK. Lighweight Spading. True temper quality, a handy fork for spading around shrubbery and perennials. Each, $1.35.

Tools and Requisites

SHOVELS.—D handle, round point. Each....$1.75
Vaughan. Long handle, round point. Each.. 1.75
Vaughan. D handle, square edge. Each.... 1.75

SPADES—Special D or long handle. Each.... 1.75

SPRINKLERS—The Lenox. A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, **90c**; by mail, **$1.00.**

Scollay's Rubber. Best sprinkler for plants, ferns and flowers. Large.... **$1.60** By mail..**$1.65**

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ½ inch. Each, **$3.00.**

STAKES, WOODEN. Painted green.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.	$1.85	$12.00
4 ft.	2.40	15.60
5 ft.	2.95	20.00

Light Grade (for smaller plants)

	Per doz.	100		Per doz.	100
1½ ft.	$0.45	$2.60	3½ ft.	$1.40	$9.50
2 ft.	.70	4.15	4 ft.	1.75	11.00
2½ ft.	.95	4.65	5 ft.	2.10	14.00
3 ft.	1.20	7.50		Per 100	1000

STAKES—Cane. 6 to 8 feet long.....$2.25 $10.50
STAKES—Cane. 9 to 11 feet long..... 2.75 19.00
Prices on cane Stakes f. o. b. Chicago.
Prices at New York 10 per cent. higher.

STAKES—JAPANESE BAMBOO Green Painted.

	100	1000		100	1000
1½ ft.	$0.95	$ 5.50	3 ft.	$1.65	$ 9.75
2 ft.	1.10	6.50	3½ ft.	1.80	10.50
2½ ft.	1.35	8.00	4 ft.	2.10	12.75
Japanese Bamboo, not painted, 6 ft.				2.35	17.50

STAKES—HEAVY TONKIN Natural Color.
Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime.

Length	Diameter	f.o.b. N. Y. Doz.	100	f.o.b. Chicago Doz.	100
4 ft.	½ to ⅝ inch	$0.75	$4.00	$0.85	$4.50
4 ft.	¾ inch	1.10	6.00	.95	6.50
5 ft.	⅝ io ¾ inch	1.25	7.00	1.40	7.50
6 ft.	⅝ to ¾ inch	1.35	8.00	1.50	9.00
8 ft.	⅝ to ¾ inch	1.50	9.00	1.65	10.00

STAKES—Galvanized Wire.

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1½ ft.	$0.25	$1.00	3½ ft.	$0.45	$2.15
2 ft.	.30	1.30	4 ft.	.55	2.50
2½ ft.	.35	1.55	5 ft.	.65	3.00
3 ft.	.40	1.85	6 ft.	.75	3.60

Prices wire stakes subject to change without notice.

SYRINGES—Brass.

		Each
No. 0.	Length 12½ in.; 15-16 in. in diam..	$2.75
No. D.	15½ in. long, 1½ in. in diam.....	4.50
No. 5.	Best for general Greenhouse use	7.50
No. 11.	18 in. long, 1 stream, 2 sprays.....	6.50

TUBS—(Flower) Richmond.
These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

No.	Each	Four	No.	Each	Four
1.. 6x 6	$0.90	$3.40	9..14x13	$2.35	$ 9.00
3.. 8x 8	1.10	4.20	11..16x15	3.00	11.40
5..10x 9	1.30	5.00	13..18x17	3.75	14.60
7..12x11	1.80	6.80	14..19x18	4.65	17.20

WHEELBARROW—Globe Garden. The best in design, material and workmanship for the class of trade who desire the best. 2¼-inch tire which permits easy wheeling of heavy loads. Price, **$7.50.**

Self Registering

Hotbed

Minimum

THERMOMETERS. Tin Case. 8-in. **50c.**
Cabinet. Wood case, **75c**; 3 for **$2.00.**
Hotbed. Brass point, wooden frame, **$2.75.**
Self-Registering. With magnet to set it, 8-inch, each, **$6.50**; registers highest and lowest temperature. Minimum for registering cold, **$2.50.**
Tin Case. Standard grade, tested. 8-inch, each, **$1.75.**
White Metal. With spirit tube, easy reading. Each, **$1.00**
Thermometers shipped by Parcel Post at purchaser's risk only.

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized, Java end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

	Per doz.	Per 100
30-inch..	$0.95	$7.25
36-inch..	1.15	9.00
48-inch..	2.20	16.50
60-inch..	2.75	21.00

Plant Support

MODEL EXTENSION CARNATION SUPPORTS
Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6¾ inches, bottom circle 7½ inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, $7.50 per 100; $70.00 per 1000; 3-ring supports, $8.50 per 100; $80.00 per 1000.
Write for price in large quantities.

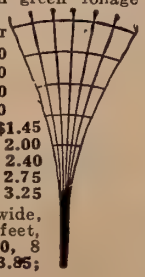
TOMATO OR PEONY SUPPORTS—Made of heavy galvanized wire.

F. O. B. New-York. Each, **35c**; doz., **$3.25.**
F. O. B. Chicago. Each, **40c**; doz., **$3.50.**

TRELLIS.—Wood
Fan-shape, highly finished and painted in a beautiful green foliage shade.

	Each	3 For
18-inch..	$0.65	$1.60
24-inch..	.70	1.90
30-inch..	.95	2.60
36-inch..	1.35	3.60

3½ ft., 21 in; wide...$1.45
4 ft., 27 in. wide... 2.00
5 ft., 32 in. wide... 2.40
6 ft., 38 in. wide... 2.75
7 ft., 42 in. wide... 3.25



Veranda—18-inch wide, 5 feet, **$2.50**; 6 feet, **$2.65**; 7-feet, **$3.00**, 8 feet, **$3.45**, 9 feet, **$3.85**; 10 feet, **$4.00.**

SEGMENT TOP PERGOLA BOW INSERT PANEL. No. 23—Height 84 in., width 94 in., depth 36 in. An exquisite pattern archway, suitable for entrance or lawn decoration. Will enhance the beauty of the most elaborate garden or lawn. Easily assembled with bolts. Price, **$20.00.**
No. 23-S—Same as above with two seats, **$23.00.**

FOLDING TRELLIS
No. 1—34 in. wide folded; extends 3 ft. to 8 ft. Each, **$1.25.**
No. 2—46 in. wide folded; extends 4 ft. to 14 ft. Each, **$1.60.**
No. 3—70 in. wide folded; extends 8 ft. to 16 ft. Each, **$2.35.**
These three numbers are highly suitable for mounting on porches or posts, and also may be used as fence for lawn parkway or flower beds. Especially adapted for guard fence around newly seeded lawns.

ORNAMENTAL 7-LEAF LAWN FAN
No. 106—Height 70 in., spread 45 in. Each, **$1.15.**
No. 108—Height 94 in., spread 60 in. Each, **$1.50.**
These pieces are undoubtedly the most popular, inexpensive lawn pieces to be had. These designs are in demand, and are a most desirable lawn ornament. Made entirely of wood. Spreaders are bored to take fan leaves, as well as prevent possible breakage of leaves.

VASE. — Cemetery. — Earthen, green, 10-inch sharp point, each, **50c**, three for **$1.35**, shipped by Parcel Post at purchaser's risk only.

Galvanized. For Cut-Flowers. Unbreakable.
10 inches deep, 4¾ in, diam., each, **65c.**
12 inches deep, 6½ in. diam., each, **90c.**
15 inches deep, 6½ in. diam., each, **$1.10.**
18 in. deep 7½ in. diam. each, **$1.45.**

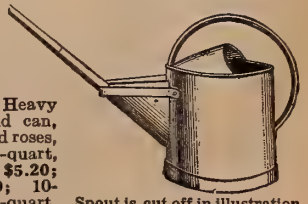
Tin. Cemetery. Green painted. Each, **20c**; by mail, **30c**; Doz., **$2.25**, **postpaid.**

Galvanized Vase

Tin Painted

Green Cemetery Vase

Watering Pots



American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, **$4.75**; 6-quart, **$5.20**; 8-quart, **$5.90**; 10-quart, **$6.25**; 12-quart, **$6.60.**

Spout is cut off in illustration to reduce space.

French Style. Oval, otherwise same make as above. 6-quart, **$5.85**; 8-quart, **$6.20**; 10-quart, **$6.60**; 12-quart, **$7.20.**

Galvanized Watering Pots

Box Spout Style, with detachable Rose, which can be quickly cleaned. 4 qt., **95c**; 6 qt., **$1.10**; 8 qt., **$1.20**; 10 qt., **$1.35**; 12 qt., **$1.50.**

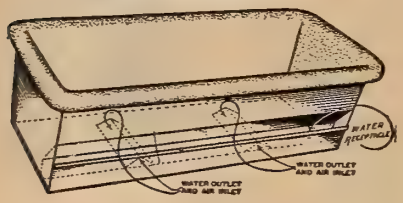
Miscellaneous Horticultural Supplies

"SAVO" SELF-WATERING FLOWER BOXES

Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum, green, pink, ivory, etc.

	Height	Width	Length	Price
Model A,	8 inches,	8 inches,	23 inches,	$3.00
Model B,	8 inches,	9½ inches,	29 inches,	4.00
Model C,	8 inches,	9½ inches,	35 inches,	4.50
Model D,	8 inches,	9½ inches,	41 inches,	5.00
Model E,	8 inches,	12 inches,	12 inches,	3.00
Model F,	12 inches,	12 inches,	12 inches,	3.50

"SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i. e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24-in	8½-in	6¼-in	$1.95
30-in	8½-in	6¼-in	2.40
36-in	8½-in	6¼-in	3.25
42-in	8½-in	6¼-in	4.00

"SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

8-in. deep, 11-in. wide.			8-in. deep, 12-in. wide.		
No.	Length	Price	No.	Length	Price
23	42-in	$5.75	25	60-in	$7.75
24	48-in	6.50			

We supply **all plants** for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, **40c**; bushel, **$1.25**; barrel, **$3.00**.

Let us advise you in your selection of plants.

We can please you and save you money.

SUCCESS SELF-WATERING HANGING BASKETS

Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. A water pocket extends the full length of basket, from which tube leads into the basket itself. Finished in an attractive shade of green. "Never leak a drop" may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price
10	7¼-in	10-in	$2.35
12	8¼-in	12-in	2.75
14	10¼-in	14-in	3.25

The Little Wonder No-Drip Hanging Basket

A self-watering basket which gives the plants plenty of air and perfect drainage, thus promoting the greatest possible growth. The patented irrigator and no-drip feature of this basket make it an ideal basket for either porch or inside use.

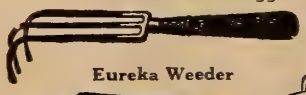
	Each
Price, 5-inch	$1.15
6-inch	1.35
7-inch	1.75
9-inch	2.25
14-inch	3.00

BASKETS—Wire, Hanging. Each, 6-in., **20c**; 8-in., **25c**; 10-in., **30c**; 12-in., **35c**. 14-in., **45c**; 16-in., **65c**.

BOXES — Cut Flower. — Vaughan's "Green" Grade green lined, moisture-proof board. Very popular. On orders for less then 100 boxes of a size add 10%.

Size inches	Weight per 100	Per 100	Size inches	Weight per 100	Per 100
3 x18x 5	40 lb.	$ 6.00	3½x30x5	75 lb.	$ 9.00
3 x21x 5	45 lb.	6.50	4 x24x8	85 lb.	10.50
3½x24x 5	60 lb.	7.50	5 x28x8	105 lb.	12.50
3½x21x 7	65 lb.	8.50	5 x36x8	135 lb.	17.00
6 x40x10	170 lb.	23.00			

Dandelion Digger



Eureka Weeder

Lang's Weeder

Excelsior Weeder

DANDELION DIGGER. Each, **45c**; postpaid, **55c**.

Eureka. Best hand weeder for loosening soil around plants. Short handled, **55c**; long handled, **65c**. (Mailing weight, 8 oz.)

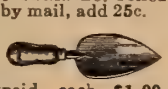
Excelsior. Each, **15c**. (Mailing wt., 4 oz.)

Lang's. We find this by actual trial a real labor saver. Each, **25c**. (Mailing weight, 4 oz.)

Norcross Weeder. Each, **50c**. Mailing, 10c extra.

The Wonder Weeder. For Dandelion, Plantain, etc., in lawns. It gets the weeds, fast, clean and deep. It absolutely will not break up the sod. Just two simple movements and your weed is out. No backache, soiled hands or clothing. Each, **85c**. If by mail, add 25c.

TROWELS—Vaughan's Steel. One solid piece of steel and will outwear all others.



Each, **95c**. 3 for **$2.75**. Postpaid, each, **$1.00**.

Ordinary Garden. 6-inch, each, **15c**; prepaid, **20c**.

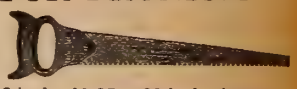
English Steel. 6-inch, each, **35c**; prepaid, **40c**.

Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being deeply curved. 6-inch, **20c**; postpaid, **25c**.

FORK AND TROWEL. Imported English Marples. Made of the best quality steel, well-constructed tools, handy for use in camp and home-gardens; none better, short handle, per set, **$1.45**; long handle, per set, **$1.75**.

TOOLS FOR PRUNING

SAWS, DOUBLE EDGED PRUNING.



16-inch, **$1.75**; 18-inch, **$1.95**; 20-inch, **$2.10**.

VAUGHAN'S PERFECTION PRUNING. Made of the best steel with adjustable blade, so any branch can be easily removed close to trunk of the tree. Can be used as a hand saw or fastened to any size pole. Each, **$2.50**; 3 for **$7.00**. Extra blades, **25c**

CALIFORNIA POLE TRIMMER. Curved, draw-out saw with hook for removing branches. Each, **$2.50**.

FORESTER PRUNING SAW. Makes heavy pruning easy and saves time. 26 inches long. Each, **$2.00**.

PRUNING. 6-inch, nickel-plated, **$1.50**; 9-inch, **$1.85**. Extra springs, each, **15c**.

PRUNING. Best grade, with double brass springs. Each, **$2.00**.

LEVIN'S PRUNING. One of the best pruning shears made. Each, **85c**.

HENCKELS' TWIN BRAND IMPORTED PRUNING SHEARS are known the world over as the best. Have given satisfaction to users for years. With rachet, 7½-inch, each, **$3.00**; 8½-inch, each, **$3.50**; 9½-inch, each, **$4.00**.

HENCKELS' IMPROVED CALIFORNIA Pattern, with brass springs, 8½-inch. Each, **$3.75**.

CLYDE DRAW-CUT PRUNER. Extra strong, long handle, **$3.75**.

BUCKEYE

BUCKEYE PRUNING. Long handle. Each, **$2.00**; large size, heavier, **$2.50**.

TREE PRUNERS. Waters'. Length of pole, 6 ft., **$1.75**; 8 ft., **$2.00**; 10 ft., **$2.15**; 12 ft., **$2.35**. Extra knives, each, **25c**.

No. 4, JOINTED Tree Pruner. The cutting head is made truss-shape from strong high grade rolled steel. The pole is made of 4-ft. lengths, making a tool convenient to carry on street car or automobile, and can be used as an 8-ft. or 12-ft. pruner. Price, complete, **$6.50**.

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L. H. VAUGHAN, PRES.

CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

GREENHOUSES AND NURSERIES,
WESTERN SPRINGS, ILL.

Vaughan's Seed Store

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO

CARL CROPP, V. PRES.

NEW YORK,
47-49 BARCLAY ST.

CHICAGO LOOP STORE
10-12 W. RANDOLPH ST.

How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Early Orders Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders received earliest secure the promptest shipment and from our complete stocks.

Order Sheets Use the order sheets accompanying this catalog. One for **Seeds, Bulbs and Garden Sundries,** the other for **Trees, Plants and other Nursery Stock.** Please fill in all particulars carefully and distinctly with your **Zone Number** and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out. No plants, trees or shrubs sent C. O. D

C. O. D. Orders. Owing to the extra cost of collecting we will not fill any C. O. D. mail order for less than **$5.00.** We do not prepay any C. O. D. orders and will not ship plants, trees, shrubs or other perishable goods C. O. D.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Order Trees, Shrubs and Hardy Vines, if possible, **before end of March**—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

All Trees Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by **domestic parcel post** within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalog.

Daily filling of seed orders is the Vaughan Rule.

Tune in on Our Radio Garden Club

Beginning March 4, and continuing until June 3, 1930, we will conduct a radio garden club programme each Thursday at 11.45 a.m., over Station W.M.A.Q., Chicago, the Chicago Daily News Station, wave length 448. kilocycles 670. Questions will be answered, and gardening information of timely and valuable nature will be given. It will be worth while to everyone interested in gardening.

TUNE IN!

PLEASE MARK ZONE NUMBER in the space provided for same on the top right-hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where **peas, beans and corn** form a large proportion, are best sent this way. Orders over **FIVE POUNDS** (5 lbs.) weight going to **5th Zone and beyond,** will travel cheaper by express than by parcel post.

Send Money by New York or Chicago draft, **registered letters** or post-office or express **money orders.** Do not send loose currency or stamps in letter, unless registered. When enclosing postage stamps give us fives, tens or fifteens. Registered letters can be sent from any post-office, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. Make money orders payable to "Vaughan's Seed Store." **(Mark your Zone Number on order.)**

Free Delivery

All flower seeds prepaid. All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs, including Water Lilies and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense.

All Roses shipped by express collect.

All Trees and Shrubs, by express collect.

All plants, perennial and annual, including Cannas, by express at buyer's expense, F. O. B. Western Springs, Ill.

All plant collections shipped by express at buyer's expense, F. O. B. Western Springs, Ill., except where it is specifically stated otherwise in the collection offered.

All tools and supplies, including insecticides and fertilizers (except as specified on page 101), are F. O. B. Chicago or New York and shipped at buyer's expense.

On all orders of Lawn Grass Seeds amounting to $2.00 or over we prepay transportation within 300 miles of Chicago or New York.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

BY EXPRESS—We advise for safety against injury, to use express shipments on parcels weighing over 15 pounds or on all breakable ware.

Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

Our Terms

Customers not having an account are requested to furnish reference or send cash with order. We prefer not to send C.O.D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. **No trees, plants or other perishable stock and no order less than $5.00 are sent C. O. D.**

Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, **not for crop,** but to the **extent of the amount of money paid** for the seeds, **if we are immediately advised** in case of any failure.

We wish it understood that all our stocks are sold under the following conditions:

We Do Not Warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	7c.	1c.
Second Zone within 50 to 150 miles of either	7c.	1c.
Third Zone within 150 to 300 miles	8c.	2c.
(See our **prepaid offer** above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles	8c.	4c.
Fifth Zone within 600 to 1000 miles	9c.	6c.
Sixth Zone within 1000 to 1400 miles	10c.	8c.
Seventh Zone within 1400 to 1800 miles	12c.	10c.
Eighth Zone all over 1800 miles and Canada	13c.	12c.

NOTE.—Limit of weight for delivery within the first, second and third zones, 70 pounds; to Canada 11 lbs.; to all other zones 50 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. **(Mark your Zone Number on order.)**

Vaughan's Glorious Gladioli

Rosa Raisa
Each, $12.00

Cadillac
Ea. $4.00

VAUGHAN'S Seed Store is the largest grower of gladiolus bulbs in the United States. On our farms in Michigan and Illinois, we devote more than 400 acres of land to gladiolus culture, trying out every new variety of merit introduced the world over, as well as conducting continuous hybridizing operations with a trial ground of five acres devoted to seedling varieties for our own introduction.

MODERN Gladioli have won acceptance as garden flowers. Long supreme as a summer cut-flower, the improved varieties of this race now offer material for the garden picture too beautiful to be ignored. Varieties growing four to five feet tall, with giant flowers lasting one to two weeks, make it possible to provide a needed color effect in the border at a time when, but for this adaptable flower, interest would be missing. In addition to the varieties which are listed here, many illustrated in color, we grow in our own farms many other named varieties. A complete list with prices on bulbs of various sizes, will be sent upon request.

Something New

Vaughan's Unnamed Seedling Blend

Seedling gladioli are new varieties developed by our hybridizer and grown in our trial grounds. Of the thousands thus originated, a few are chosen for introduction each year. This choice is a matter of opinion; many of those not chosen you might rate as more beautiful than any now known in commerce. Others are similar to the newest and most expensive varieties, too similar to be introduced as separate varieties. All these unnamed, unintroduced, new gladioli are put into this mixture, which thus becomes a treasure-trove, in which you may find a fortune. Doz., $2.00.

Capt. Boynton
Ea. $ 0.15
Doz. 1.50
100, 10.00

Edith Mason
Ea. $ 0.75
Doz. 7.50

Vaughan's Introductions of 1930

***Dearborn (1522).** Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six inches in diameter. A giant gladiolus that blooms early. Each, $10.00.

***Mary Innes (393)** Geranium pink, throat blotched with pansy purple, giving it a very attractive appearance. Florets well placed, many open at a time. Season medium early. Each, $5.00.

***Pink Medallion (931).** (Early pink Prim.) A true pure pink, lower petals have a canary blotch with a feather of the same color as the flower. Medium sized florets, well placed, with many open. It is exceptionally early, forces well, and is a rapid propagator. Each, $2.00; doz., $20.00.

***Coppersheen (1002).** A very attractive primulinus novelty. It contains a blending of colors difficult to describe, but which gives the flower a bronzy-orange effect. The florets are round, well hooded, and spaced separately on the spike, characteristic of the prim type. Each, $2.00; doz., $20.00.

***Mrs. T. J. Knudson (1264).** This is one of the Vaughan's blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper toward the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire, giving it a very striking effect. Florets are medium in size, with many well placed, open at once. This is an outstanding introduction in a color-class where good varieties are scarce. Mid-season, strong grower of good height. Each, $15.00.

Cover Collection No. 5

One each of the varieties illustrated on this page (6 Bulbs) postpaid..... $16.00
2 each (12 bulbs) postpaid..... 30.00
4 " (24 ") " 55.00

Vaughan's Gladiolus Collections

Vaughan's "DeLuxe Rainbow" Mixture

LARGE BULBS

This name has been chosen by us for our highest quality blendings of the many named varieties which we grow, including French novelties with other choice varieties, of which we have only moderate quantities. This is the best mixture which our collection permits, and we believe unexcelled by any obtainable elsewhere. Each lot, whether in dozs., 50s or 100s, of all Vaughan's Mixtures is put up separately to insure correct proportions.

Price, 13 Bulbs, $1.00, postpaid; by express, not prepaid, 50 for $3.00; 100 for $5.50; 250 for $12.50; 500 for $23.00.

Vaughan's "Standard" Mixture

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, for mixed beds, borders and masses, and is offered at very moderate prices. These are first-size bulbs

Price, doz., 45c, postpaid; by express, not prepaid, 50 for $1.50; 100 for $2.75; 250 for $6.50; 500 for $12.00; 1,000 for $23.00.

Primulinus Hybrids Mixed

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers they are ideal for vases. Each, 10c; doz., 75c; 100, $5.00.

GLADIOLI IN MANY COLORS

The bulbs here quoted in color shades are grown from choice named varieties.

Blue Shades. Doz., $1.35; 100, $9.00.
Pink. Doz., 75c; 100, $5.00.
Scarlet and red. Doz., 75c; 100, $5.00.
Striped shades. Doz., 90c; 100, $6.00.
White and light. Doz., 75c; 100, $5.00.
Yellow shades. Doz., $1.00; 100, $7.00.

SPECIAL OFFER No. 100B. Two each of the following six varieties sent, postpaid, for 50c; Mrs. Francis King, red; E. Kirtland, rose; Chicago White; Schwaben, yellow; Le Marechal Foch, lavender; 101, blue. A full range of fine colors.

SPECIAL OFFER No. 200B. Two each of the following six varieties sent postpaid for $1.00: Peace, white; Chicago Salmon, Chicago Red, Alice Tiplady, apricot; Schwaben, yellow; Prince of Wales, salmon.

SPECIAL OFFER No. 300B. Two each of the following six varieties sent postpaid for $1.25: Joe Coleman, scarlet; 1910 Rose; Primulinus Maiden's Blush, shell pink; Mrs. L. S. Hubbard, plum; Wilbrink, pink; Anna Eberius, purple.

SPECIAL OFFER No. 400B. Two each of the following six varieties sent postpaid for $1.50: Clara Adams, pink; Mystic, pink; E. J. Shaylor, rose; E. Kirtland, rose; Herada, mauve; Crescent Queen, wine red.

SPECIAL OFFER No. 500B. Two each of the following six varieties sent postpaid for $2.00: Black Pansy, wine red; Windsor, orchid; Peace, white; Souvenir, yellow; Baron J. Hulot, purple; Orange Queen.

Elsie McCormick
Ea. $0.25
Doz. 2.50
100, 18.00

Dr. Bennett
Ea. $ 0.20
Doz. 2.00
100, 15.00

*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York. Ask for Complete List.

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

Vaughan's Gladioli

Forest Fire
Ea. $0.50
Doz. 5.00

Golden Measure
Ea. $ 0.15
Doz. 1.50
100 10.00

ALICE TIPLADY. (Prim.) Orange-saffron. Each, 6c; doz., 60c; 100, $4.00.

*ALMA (414). Phlox pink, 3 to 4 feet tall, blossoms in 90 days. This color is popularly known as light lavender or orchid. Throat marking is darker, surrounded by a cream, which blends gradually into the general color. Each, 25c; doz., $2.50; 100, $18.00.

ANNA EBERIUS. Dark velvety purple, throat deeper. Each, 10c; doz., $1.00; 100, $7.00.

A. W. HUNT. Best orange-red, large flowers. Price each, 15c; doz., $1.50; 100, $10.00.

BARON J. HULOT. The leading purple variety. Each, 10c; doz., $1.00; 100, $7.00.

*BIJOU (909). Primulinus. Flowers of good size, well open, slightly ruffled pinkish apricot, lower side petals primrose-yellow, small crimson blotched at base of petals. Flowers well placed. Height, 30 inches. Each, $1.50; doz., $15.00; 100, $100.00.

*BLOOMINGTON (807). Good spike, 5 open flowers, 10 buds. Flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, $1.50; doz., $15.00.

BYRON L. SMITH. Beautiful lavender-pink on white ground, an orchid shade. Each, 15c; doz., $1.50; 100, $10.00.

*CADILLAC (1026). Tall spike, flowers well placed and of good form, 7 open at one time, 5 to 7 buds. Color golden apricot, fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. Each, $4.00.

CAPTAIN BOYNTON. One of the nicest lavender colors in existence, with little darker spot on lower petals. Large flowers well-placed on stems. Each 15c; doz., 1.50; 100, $10.00.

Imp. Schwaben
Each $ 0.15
Doz. 1.50
100 10.00

CARUSO. Splendid flowers of brilliant orange-red. The earliest of all red gladiolus, blooming with or before Halley. Each, 25c; doz., $2.50; 100, $18.00.

CHATEAU THIERRY. Bright scarlet-red, with carmine stripe on creamy ground on lower petals. Price, each, 8c; doz., 80c; 100, $5.50.

*CLARA ADAMS (234). Light pink with a slight crimson marking in the throat. The flowers are very large, well open with 6 or 8 open at one time. Each, 8c; doz., 80c; 100, $5.50.

CRIMSON GLOW. A perfect, very large deep scarlet-crimson; flowers on tall, strong spike. Each, 10c; doz., $1.00; 100, $7.00.

DESDEMONE. Ashy rose striped lilac; large dark red blotch, edged ivory-white. Immense spike of very large double-row flowers, well-placed. Each, 25c; doz., $2.50; 100, $18.00.

*DETROIT. A giant flower with orchid colorings. Fully developed flowers measure 5 inches across. The color is a light pink with deeper pencilings of light crimson on the inside and outside of the upper petals, and with carmine splashes overlying sulphur on the center third of the lower petals. Each, 35c; doz., $3.50; 100, $25.00.

DEUTCHLAND. Color is a wonderful pink, with fiery crimson blotch. The spikes are very large, borne on tall, slim but wiry stalks, presenting an elegant appearance. Each, 15c; doz., $1.50; 100, $10.00.

*DOROTHY VAUGHAN (242). This is a very tall, medium early, color is a very faint apple-blossom pink. It's a winner. Each, 35c; doz., $3.50; 100, $25.00.

DR. F. E. BENNETT. Peach-red, overlaid with flame-scarlet, throat stippled with ruby and white. A very large, attractive red with plenty of vigor. The flowers have good substance and good arrangement. Each, 20c; doz., $2.00; 100, $15.00.

DR. HAN PFITZNER. Wonderful soft pink. Each, 35c; doz., $3.50; 100, $25.00.

EARLY SUNRISE. Flowers extra large, bright salmon-scarlet color with pencil stripe of cream through center of each petal of the flower. Each, 15c; doz., $1.50; 100, $10.00.

*EDITH MASON (365). A beautiful delicate, self-pink of the shade called by Ridgeway, geranium-pink; inconspicuous throat markings of cream; 4 to 5 feet tall, blossoms in 90 days. Seventeen flowers on a typical spike, all face one way. Each, 75c; doz., $7.50.

E. J. SHAYLOR. Large, ruffled rose-pink blooms. Each, 6c; doz., 60c; 100, $4.00.

EVELYN KIRTLAND. Rich rosy pink, with lighter throat. Lower petals are blotched with crimson. Each, 6c; doz., 60c; 100, $4.00.

*ELSIE McCORMICK (467). A beautiful rose-pink. Very strong, healthy grower, medium in height and holds a large number of blooms open at one time. Each, 25c; doz., $2.50; 100, $18.00.

FOREST FIRE. The flowers are a dazzling shade of orange-scarlet, gigantic in size, all facing one way, artistically placed on a thick, strong stem. Without doubt it is the most outstanding gladiolus novelty of the year, and we do not hesitate to state that it is the best gladiolus of its color ever introduced. Each, 50c; doz., $5.00.

FAY LAMPHIER. Large, well expanded flowers of geranium-pink overlaid with scarlet. Each, 20c; doz., $2.00; 100, $15.00.

FERN KYLE. A large ruffled flower of creamy white color. Vigorous grower. Each, 20c; doz., $2.00; 100, $15.00.

*FLANDERS (720). Red Primulinus. Tall spike, 10 open flowers, 10 buds. Flowers well placed, wide open, brilliant orange-violet, stamens light. Extra early; very productive. Each, 75c; doz., $7.50.

FLORENCE. Bright lilac, white blotch on lower petals. Notably tall spike with many flowers; the best lilac. Each, 15c; doz., $1.50; 100, $10.00.

GIANT NYMPH. La France-pink; with creamy yellow throat; very large, wide-open flowers, long spikes and flowers well arranged on the stem. Each, 15c; doz., $1.50; 100, $10.00.

GOLDEN MEASURE. Very large, dark golden yellow; the best in the yellows. Each, 15c; doz., $1.50; 100, $10.00.

GRETCHEN ZANG. Pink, blending into scarlet on lower petals. Each, 8c; doz., 80c; 100, $5.50.

HERADA. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. Each, 6c; doz., 60c; 100, $4.00.

HERBSTZAUBER. (Autumn fascination), the most wonderful copper-salmon color. Large flowers, fine spike, late-flowering. Each, $1.00; doz., $10.00.

*HURON. A new variety of odd coloring. Light ash rose on upper petals. Edges of lower petals plum shade toning lighter to center with blotches of cream. A strong grower with eight flowers to the spike. Each, 35c; doz., $3.50.

*IMPROVED MARTHA WASHINGTON (132). This is an improvement of our Martha Washington variety. Large, light red flower with throat blotches that are almost black. Looks like a Martha Washington geranium. Each, 35c; doz., $3.50; 100, $25.00.

*IMPROVED SCHWABEN (395). This is a Schwaben seedling, deeper yellow with very little markings in the throat. It has the habit of growth of the Schwaben. Each, 15c; doz., $1.50; 100, $10.00.

*IONIA (323). The general color is a yellow, suffused with pink which gives it an exceptionally delicate shade. Each, 20c; doz., $2.00; 100, $15.00.

Cover Collection No. 6

One each of the varieties illustrated on this page (6 Bulbs) prepaid, ... $1.50

2 of each	(12 bulbs) prepaid	$2.50
4 " "	(24 ") "	4.50
6 " "	(36 ") "	6.00
12 " "	(72 ") by express	10.00

Imp. Martha Washington
Ea. $0.35
Doz. 3.50
100 25.00

Ionia
Ea. $ 0.20
Doz. 2.00
100 15.00

IRIS. Flowers of a very curious slaty blue color, slightly flamed with red; small white blotch, spotted with carmine-red. Each, 50c; doz., $5.00.

JOE COLEMAN. Large, rich red. Each, 8c; doz., 80c; 100, $5.50.

*KALAMAZOO. Purple-violet with lines of creamy white running through each petal to the edge of the flower, and throat of creamy white. Each., 25c; doz., $2.50; 100, $18.00.

LA BEAUTE. A very good white. Each, 20c; doz., $2.00; 100, $15.00.

*LANSING. Big Pink, strong, tall-grower. A white ground is overlaid with pale sulphur-yellow on two side petals, with tips of all petals tinted light flaming pink. Each, 35c; doz., $3.50; 100, $25.00.

LAVENDER PRINCESS. One of the finest light lavenders. Each, 35c; doz., $3.50; 100, $25.00.

LENE GRAETZ. A white Gladiolus of first rank, stalks tall, slim and wiry, flowers large, wide open and well placed. Each 10c; doz., $1.00; 100, $7.00.

LORELY. Is a large pure creamy white, wide open flowers, rounding petals and flowers well placed on the stem. Each, 20c; doz., $2.00; 100, $15.00.

LONGFELLOW. Flowers of La France-pink on a tall, wiry stem. Each, 35c; doz., $3.50; 100, $25.00.

LOS ANGELES. Shrimp pink with orange-carmine throat. Each, 15c; doz., $1.50; 100, $10.00.

*L. W. WHEELER (394). Season 82 days. Distinct shade of pink suffused with yellow, blending to a strong yellow toward the center blotch of crimson. Each, 15c; doz., $1.50; 100, $10.00.

LUSTRE. Dark orange-vermilion. Each, 15c; doz., $1.50; 100, $10.00.

*MANISTEE (303). Season from 90 to 95 days. This is a large ruffled pink. Vigorous grower with heavy foliage and strong straight spikes. Flower well placed and beautifully ruffled. Each, 35c; doz., $3.50; 100, $25.00.

*MARTHA PHILLIPS (142). Season 90 days. This is a dark solid red, florets medium size many open at a time and well-placed on the stem, producing a mass of solid dark red color. Each, 15c; doz., $1.50; 100, $10.00.

Kalamazoo
Ea. $ 0.25
Doz. 2.50
100 18.00

*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York. Ask for Complete List.

The price for single bulbs and by doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

Vaughan's Gladioli

Mrs Douglas
Ea. $0 20
Doz. 2 00
100 15.00

L. W. Wheeler
Ea $ 0.15
Doz. 1 50
100 10 00

*MARY H. DICK (490). Season 75 days. A very delicate Pink Prim. Hybrid. Slender, tall, straight spike with florets well-placed. Each, 10c; doz., $1.00; 100, $7.00.

MARY PICKFORD. Creamy white, throat soft sulphur-yellow. Each, 10c; doz., $1.00; 100, $7.00.

MRS. DR. HAUFF. The best brilliant scarlet gladiolus, many large flowers open at the same time, make a very fine spike. Each, 50c; doz., $5.00.

MONA LISA. Ruffled, palest soft rose-pink. Each, 15c; doz., $1.50; 100, $10.00.

MRS. DR. NORTON. Pure, soft white, with tips of petals suffused La France Pink. Each, 15c; doz., $1.50; 100, $10.00.

MRS. FRANK PENDLETON. Flushed salmon-pink, with rich maroon blotch on the three lower petals. The most popular flower in florists' shops. Each, 8c; doz., 80c; 100, $5.50.

MRS. F. C. PETERS. Beautiful shade of rose-lilac, with crimson blotch bordered white on lower segment; resembling an orchid in color. Each, 15c; doz., $1.50; 100, $10.00.

*MRS. FRANCIS KING. Brilliant vermilion-scarlet. Most popular and effective variety for all occasions. Each, 6c; doz., 60c; 100, $4.00.

Mrs. F. King
Ea. $0.06
Doz. 0.60
100 4 00

*MRS. H. A. CAESAR. Five to eight open flowers, well-placed on the spike. The color is a beautiful lavender shading to lilac with a yellow dash in the lower petals. Each, 15c; doz., $1.50; 100, $10.00.

MRS. H. E. BOTHIN. Light geranium-pink, heavily ruffled. Flamed scarlet center. Strong, well built spikes; first-class show and cut-flower variety. Each 15c; doz., $1.50; 100, $10.00.

*MRS. JULIUS ROSENWALD (11). Season 81 days. Color, wine-red, lightly flaked with a deeper red. Each, 25c; doz., $2.50; 100, $18.00.

MRS. LEON DOUGLAS. Ground color Begonia-Rose, striped with flame and brilliant scarlet. Lip is pale lemon slightly speckled with ruby. The size of the flowers, we believe, is the largest in existence. Each, 20c; doz., $2.00; 100, $15.00.

*MRS. L. S. HUBBARD (344). Season 68 days. Prim. Hybrid seedling. Massed together in a bouquet the general appearance is a beautiful plum color. Each, 10c; doz., $1.00; 100, $7.00.

MRS. VON KONYNENBURG. Probably the only variety which we can, in the true color sense of the word, call blue. This variety resembles the old variety Badenia in color, but it is a much more robust grower, is taller and stronger, with six to seven flowers open at a time. Each, $1.50; doz., $15.00.

*MRS. W. S. BREWSTER. White overlaid blush; blotched brilliant red, with a creamy halo. Each, 15c; doz., $1.50; 100, $10.00.

NANCY HANKS. Rich apricot to orange-pink with grenadine tongue. Vigorous grower and rapid multiplier. Will not burn in hot climate. Each, 25c; doz., $2.50; 100, $18.00.

ODIN. Salmon with dark blotch, large flowers. Very fine variety. Each, 8c; doz., 80c; 100, $5.50.

ORANGE GLORY. Bright orange, with slight purple and white markings in throat. Each, 10c; doz., $1.00; 100, $7.00.

ORANGE QUEEN. Apricot-orange. This quite new shade without any competition and the excellent substance of this variety bought every one who has seen it. Each 15c; doz., $1.50; 100, $10.00.

ORPHEUS. Fine blood-red, with many blooms open at one time. Sturdy grower. Each, 35c; doz., $3.50; 100, $25.00.

OSALIN. A very lovely coral-pink with soft orange marking in throat. Good height, fine placement, six large blooms open at one time. Each, 25c; doz., $2.50; 100, $18.00.

OTHELLO. Bright violet-purple with long spikes. Very strong grower and a rare color. Each, 50c; doz., $5.00.

*OWOSSO. Cream-yellow, deeper on lower petals Each, 15c; doz., $1.50; 100, $10.00.

PAUL PFITZER. Very shining iris-purple, with glowing velvety violet center. Very large, broad flowers of excellent shape. Each, 35c; doz., $3.50; 100, $25.00.

PEACE. Very large, white, with pale violet feathering on lower petals; flowers correctly placed on a tall, graceful spike. Each, 8c; doz., 80c; 100, $5.50.

PEACH ROSE. An extra choice and distinct deep rose-pink of remarkable color and appearance. Each, 20c; doz., $2.00; per 100, $15.00.

PFITZER'S TRIUMPH. This is unquestionably one of the largest and finest gladiolus ever introduced and this gladiolus will be a leader for years. Blooms have a diameter of at least six inches and are of a bright salmon orange color with small velvet red blotches. It has been a sensation all over the world and we found it to be a real triumph wherever it was shown. Each, 75c; doz., $7.50.

PINK LILY. Ruffled, delicate pink. Each, 15c; doz., $1.50; 100, $10.00.

*PINKPRIM. A large-flowered Primulinus hybrid of a wonderful salmon-pink tint. Marked only by white blotches at the lower petals and deep throat stippling of a deep salmon-rose. Each, 10c; doz., $1.00; 100, $7.00.

*POMPADOUR (444). Extra tall and strong, upright spike, 9 flowers open, 14 buds. Flowers well placed, remarkable texture, of good form and size, ruffled. Color pale ivory, tip deep cream, narrow line of crimson lake on three lower petals; stamens slate-violet, pistil white. Each, $8.00.

*PONTIAC—PRINCEPS. Very large flower with Princeps throat markings. Petals slightly striped with deep vermilion, stalk as strong as Schwaben. Each, 15c; doz., $1.50; 100, $10.00.

PRINCESS ELIZABETH. Lustrous salmon-rose spotted carmine on lower petals. Extremely large-flowering, flowers 5 to 6 in. diameter. Each, 50c; doz., $5.00.

*PRINCEPS. Brilliant scarlet-crimson, carrying mostly three white blotches on lower petals. Each, 15c; doz., $1.50; 100, $10.00.

PROF. PAUER. Lilacy white, delicately overlaid with lilac-rose. Lower three petals are marked with a lustrous carmine blotch. Each, $1.00; doz., $10.00.

PUREST OF ALL. A pure white variety with an excellent spike and large flowers. Each, 25c; doz., $2.50; 100, $18.00.

PURPLE SPOT. Violet red. Each, 10c; doz., $1.00; 100, $7.00.

PURPLE GLORY. Ruffled, velvety maroon-red, black blotches. Each, 20c; doz., $2.00; 100, $15.00.

PYTHIA. Large red with many blooms open at one time. Each, 15c; doz., $1.50; 100, $10.00.

*ROSA RAISA (1018). Long spike, flowers well placed and of good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to "Veilchenblau," flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, $12.00.

Cover Collection No. 7

One each of the varieties illustrated on this page (6 Bulbs) prepaid..... $1.00

2 of each (12 bulbs) prepaid.....	$1.75
4 " " (24 ") "	3.00
6 " " (36 ") "	4.00
12 " " (72 ") by express.....	7.00

Lansing
Ea $ 0.35
Doz. 3.50
100 25.00

Mrs. Julius Rosenwald
Each $ 0.25
Doz. 2.50
100 18.00

ROSE ASH. (Ashes of Roses.) A new color in gladioli. A wonderfully vigorous grower. Each, 15c; doz., $1.50; 100, $10.00.

ROSE GLORY. Ruffled, rose-pink. Each, 10c; doz., $1.00; 100, $7.00.

ROSS VALLEY. Mouse color, very odd shade. Each, 15c; doz., $1.50; 100, $10.00.

*SANDUSKY (838). (Primulinus.) The color is laid on a flesh base not solidly, but with a misty effect, producing a blend difficult to describe. The overtone color is classified by Ridgeway as Bordeaux. Matures in 70 days. Each 15c; doz., $1.50; 100, $10.00.

SAPPHO. Medium-sized blossoms of smoky blue, with throat blotches of pale cream. A beautiful variety, excellent for hybridizing work. Each, 75c; doz., $7.50.

SARABAND. Very large wide open flower of rich velvety bordeaux with straw yellow blotch, feathered bordeaux. Each, 50c; doz., $5.00.

SARAH LILLIE. Reddish lavender, with ruby throat mottled with white. Each, 20c; doz., $2.00 100, $15.00.

SCARLANO. Light, bright orange-red. Fine spike and flower, finely ruffled. Each, 15c; doz., $1.50; 100, $10.00.

SCARLET BEDDER. A Prim. This beautiful scarlet flower, is large and glowing, yet the color is soft enough to be in harmony with the general pastel tones of the primulinus hybrids. Each, 35c; doz., $3.50.

SCARLET GLORY. Ruffled, fine red. Each. 15c; doz., $1.50; 100, $10.00.

SCARLET PRINCEPS. Six or more massive Princeps-like blossoms open at one time, throat a little deeper. Very fine variety. Each, 8c; doz., 80c; 100, $5.50.

SCARLET WONDER. Mammoth flowers of clear, deep scarlet. Each, 20c; doz., $2.00; 100, $15.00.

SCHWABEN. Canary yellow. Each, 10c; doz., $1.00; 100, $7.00.

*SEAFOAM (933). White Primulinus. Good spike, flowers well open, medium size, stamens white, color pure white with greenish reflex, 4 flowers open, 7 to 9 buds. Each, $1.50; doz., $15.00.

SHIELA. Light coral-red, fading to flesh-pink in throat, with primrose blotch on lower petals, penciled with pomegranate-purple Each. 10c; doz., $1.00; per 100, $7.00

*SHIAWASEE. Very fine pink. Each. 10c; doz., $1.00; 100, $7.00.

Mrs. F. Pendleton
Ea. $0.08
Doz. 0.80
100 5.50

*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York. Ask for Complete List.

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

W. H. Phipps
Ea. $0.25
Doz. 2.50
100 18.00

Orange Queen
Ea. $ 0.15
Doz. 1.50
100 10.00

Baron J. Hulot
Ea. $0.10
Doz. 1.00
100, 7.00

E. Kirtland
Ea. $ 0.06
Doz. 0.60
100 4.00

Virginal
Ea. $0.35
Doz. 3.50
100 25.00

Vaughan's Glorious Gladioli

SIDNEY PLUMMER. Beautiful soft yellow, suffused delicate pink. Rich amber lip, amaranth purple tongue. Blooms large, well placed and slightly ruffled. Each, 35c; doz., $3.50.

SOUVENIR. Prim. Clear, bright daffodil-yellow of uniform color without markings of any kind. Each, 15c; doz., $1.50; 100, $10.00.

***SOVEREIGN.** The flowers are the same as those of Baron J. Hulot, but very much larger. The flowers are full and of rounding form, well placed on a tall, strong spike Each, 25c; doz., $2.50; 100, $18.00.

SPHINX. Lilac-red flowers, purple-red blotch. Each, 15c; doz., $1.50; 100, $10.00.

***TAWNY (1219).** Very tall spike (50 inches), 7 large flowers open, 10 buds, flowers well placed. Color deep rose-apricot, faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. Each, $8.00.

THE ORCHID. Its long, narrow, ruffled and laciniated petals open to a width of six to nine inches with a ground color of very pale lavender flecked toward the edges and ends with lavender pink. Each, 25c; doz., $2.50; 100, $18.00.

***THE VAMP.** A delicate pink with the three lower petals beautifully blotched velvety crimson, surrounded by a creamy halo. Each, 8c; doz., 80c; 100, $5.50.

TRUDEL GROTZ. Giant flowers of brilliant dark salmon-pink, shading lighter towards the throat, with a small, red blotch. Each, 35c; doz., $3.50; 100, $25.00.

VAUGHAN'S WHITE. Flower is a good, clear white with no throat markngs. Still winner at all shows as the best white. Each, 35c; doz., $3.50; 100, $25.00.

***VERDUN (406).** The strong color, called by Ridgeway pansy-purple, on the edge of the petals is softened toward the center with a chalky overtone; producing a beautiful blend, the effect of which is heightened by the white throat and white blotch on the lower petals. Each, 25c; doz., $2.50; 100, $18.00.

Cover Collection No. 8

One each of the varieties illustrated on this page (10 Bulbs) prepaid.....$1.75

2 of each	(20 bulbs)	prepaid	.....	$ 3.00
4 "	(40 ")	"	.....	5.50
6 "	(60 ")	"	.....	7.50
12 "	(120 ")	by express	.....	14.50

VIELCHENBLAU. The first large-flowering blue gladiolus introduced. The color is a beautiful violet-blue, darkening toward the center. The entire flower appears, at the first glance, to be made of blue velvet, the sheen is so beautiful. Each, $2.00; doz., $20.00.

***VIRGINAL.** The pure satin white of its petals is without marking except for the faint lavender penciling deep in the throat and the lower petals. The stamens are light lavender, the flowers well-placed, Each, 35c; doz., $3.50; 100 $25.00.

VIRGINIA (See Scarlet Princeps).

W. H. PHIPPS. La France-pink overlaid with light rose-salmon, lighter toward the center. Lower petals very faintly striped and speckled with ruby. Flowers enormous. A masterpiece in Gladioli. Each, 25c; doz., $2.50; 100, $18.00.

***WHITE PENDELTON (550.)** This is a white sport of the well-known variety, Mrs. F. Pendleton. It is a pure white with a dark blotch in the throat. Each, 15c; doz., $1.50; 100, $10.00.

***WINDSOR.** Sister to Detroit. A giant flower of light pink and deeper pencilings of light crimson on inside and outside of upper petals. Each, 20c; doz., $2.00; 100, $15.00.

WINSOME. Great, round flowers of exquisite blush, shot shaded crimson pink, and conspicous throat of crimson. Each, 10c; doz., $1.00; 100, $7.00.

Sphinx
Ea. $0.15
Doz. 1.50
100 10.00

Vaughan White
Ea. $ 0.35
Doz. 3.50
100 25.00

Crimson Glow
Ea. $0.10
Doz. 1.00
100 7.00

Schwaben
Ea. $ 0.10
Doz. 1.00
100 7.00

Sovereign
Ea. $ 0.25
Doz. 2.50
100 18.00

Vaughan's gardening illustrated
Vaughan's Seed Company;Henry G. Gilbert Nursery and Seed Trad
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Jan 15, 2014

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